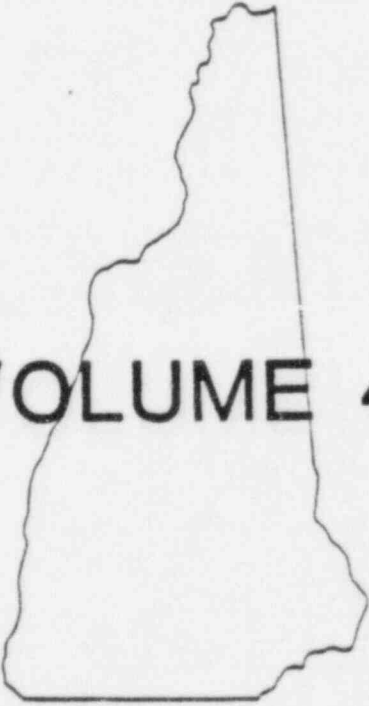


NEW HAMPSHIRE

RADIOLOGICAL EMERGENCY RESPONSE PROCEDURES



VOLUME 4

Prepared by:

New Hampshire State
Civil Defense Agency

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INTRODUCTION

This binder is a complete set of New Hampshire emergency response organization agency procedures for responding to an emergency at the Seabrook Station Nuclear Power Plant. The index on the following page enumerates the various procedures. It also lists the date of the most recent revision to each procedure.

Following the index of procedures is a listing of the emergency planning coordinators for each agency. The agency emergency planning coordinator is the person responsible for reviewing and updating the agency procedures. The New Hampshire Civil Defense Agency contacts each agency custodian at least annually to review the agency procedures. As necessary, the procedures are updated, posted in this document and provided to the agency emergency planning coordinator for distribution to emergency response personnel.

NH EMERGENCY RESPONSE ORGANIZATION AGENCIES
EMERGENCY PLANNING COORDINATORS

	<u>Agency</u>	<u>EP Coordinator</u>	<u>Telephone</u>	<u>Last Review</u>
1.	Governor's Office	David Carney	271-2121	12/85
2.	Civil Defense Agency	Michael Nawoj	271-2231	12/85
3.	Public Health Services	John Bonds	271-4617	12/85
4.	State Police Communication Center	Capt. Dempsey	271-3296	12/85
5.	Civil Air Patrol	Col. Ken Jameson	271-3225	12/85
6.	Highway Department	Leon Kenison	271-2693	12/85
7.	DRED	John Flanders	271-2217	12/85
8.	Fish and Game Department	Mason Butterfield	271-3127	12/85
9.	Bureau of EMS	John Muir	271-4569	12/85
10.	Pupil Transportation Safety	Mike Coltin	271-2485	12/85
11.	Rockingham County Dispatch	David Lincoln	679-2225	12/85
12.	Red Cross	Fred Wood	225-6697	12/85
13.	Troop A State Police	Lt. Sullivan	679-5663	12/85
14.	Department of Agriculture	Dr. Charles Putnam	271-2404	12/85
15.	Division of Human Services	Bill Colburn	271-4281	12/85
16.	National Guard	LTC Agrafiotis	228-1135 EXT. 240	12/85
17.	Water Supply and Pollution Control Commission	Bernard Lucey	271-3139	12/85
18.	Division of Safety Services, Boating Safety	Ray Weatherbee	271-3338	12/85
19.	U.S. Coast Guard	LTC Michael Wade	617/223-1470	12/85

Emergency Response Procedures
for
Seabrook Station

<u>Agency</u>		<u>Date</u>
1.	Governor's Office	12/85
2.	New Hampshire Civil Defense Agency	12/85
3.	Division of Public Health Services	12/85
4.	NH State Police Communications Center (Appendix date)	12/85
5.	Civil Air Patrol	12/85
6.	State Highway Department	12/85
7.	DRED	12/85
8.	Fish and Game Department	12/85
9.	Director of Pupil Transportation Safety	12/85
10.	Rockingham County Dispatch	12/85
11.	Red Cross	12/85
12.	Troop A NH State Police	12/85
13.	Department of Agriculture	12/85
14.	Division of Human Services	12/85
15.	NH National Guard	12/85
16.	Water Supply and Pollution Control Commission	12/85
17.	Division of Safety Services, Boating Safety	12/85
18.	U.S. Coast Guard	12/85

GOVERNOR'S OFFICE

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Governor's Office

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the Governor or his designated representative in the event of an accident. These procedures describe actions to be taken in response to each of four Emergency Classification Levels. Instructions are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

1. Receive notification (see Appendix A for chain of command) from the New Hampshire Civil Defense Agency (NHODA) that an UNUSUAL EVENT has been declared at Seabrook Station. Notification will be made via telephone or radio relay through State Police. _____
2. Verify notification by call back to NHODA (271-2231 or 1-800-852-3792). If no answer confirm with State Police Communications Center, Concord (271-3636 or 1-800-852-3411 or State Police radio frequency). _____

3. Place the following personnel on standby
 - a. Director of Communications, or designee, for potential deployment of Media Center at Newington Town Hall. _____
 - b. Assign a representative of the Governor's Office for potential deployment to IFO/EOF at Newington Station, Newington, New Hampshire. _____
4. Stand by to receive additional information. Receive notification of a) termination of emergency status, or b) escalation of emergency status. (These messages will be provided by NHODA from the State EOC at 107 Pleasant Street, Concord.) If situation has escalated, continue checklist. _____

ALERT

1. Receive notification from NHODA that an ALERT has been declared at Seabrook Station. Notification will be made via telephone or radio relay through State Police. _____
2. Verify notification of ALERT status by call back to EOC (271-2231 or 1-800-852-3792). In a rapidly developing emergency in which the EOC has not been activated, verify ALERT status with State Police Communications Center (271-3636 or 1-800-852-3411 or State Police radio frequency). _____
3. Assign a representative of the Governor's Office to report to the State EOC. This person should make his presence known to the NHODA Agency Liaison Officer and to the ranking NHODA official upon arriving at the EOC. _____
4. Assign a press liaison officer to report to the State EOC. _____

Note Time

5. Assign a representative of the Governor's Office to report to the IFO/EOF, Newington Station, Newington, NH. _____
6. Assign a representative of the Governor's Office to report to the Media Center, Newington Town Hall. _____
7. Stand by to receive additional information. Receive notification of a) termination of emergency status, or b) escalation of emergency status. These messages, and any other update messages, will be provided by NHCDA from the State EOC. _____
8. If emergency situation has de-escalated, provide press liaison officers with press release instructions. Any press release should be coordinated with Massachusetts officials beforehand. If situation escalates, continue checklist. _____

SITE AREA EMERGENCY

1. Receive notification from NHCDA that a SITE AREA EMERGENCY has been declared. If EOC has not been activated notification may be provided by State Police. _____
2. Confirm SITE AREA EMERGENCY status by return call to EOC (271-2231 or 1-800-852-3792). If no answer confirm with State Police Communications Center. _____
3. Ensure assignment of designated staff to EOC, Media Center and IFO/EOF. Verify that Governor's Office representative have reported to each of these locations. _____
4. Proceed, or send designee, to State EOC. Make presence known to NHCDA Agency Liaison Officer and to ranking NHCDA official upon arrival at EOC. _____

Note Time

5. Receive timely briefings on the status of the following from NHCOA and DPHS.
 - a. Emergency Classification Level and Plant Situation
 - b. Protective Action Recommendations
 - c. State Emergency Response Facilities Status (EOC, IFO/EOF, Media Center)
 - d. Public Information Status
 - e. Interstate and Federal Coordination Status
6. Stand by to respond to changes in emergency status. Receive notification of a) termination of emergency status, or b) escalation of emergency status. If emergency terminates provide press liaison officer with instructions and release staff from emergency duty. Any press release should be coordinated with Massachusetts officials beforehand. If situation escalates continue checklist.

GENERAL EMERGENCY

1. Receive notification from NHCOA that a GENERAL EMERGENCY has been declared. (In the event of a rapidly developing emergency in which the EOC has not been fully activated notification may be provided by State Police. If this is the case ensure that SITE AREA EMERGENCY steps 2-6 are implemented.)
2. Stand by to monitor emergency status at Seabrook Station. Participate in briefings and meetings as required. Coordinate any press releases with Massachusetts officials beforehand. Act upon protective response recommendations made by NHCOA and DPHS. If necessary authorize sheltering or evacuation orders.

Note Time

3. Schedule relief shifts to maintain 24-hour coverage by Governor's Office staff at the EOC during prolonged emergency. _____
4. Participate in re-entry decisions with NHCOA and DPHS as necessary as emergency de-escalates. _____

APPENDIX A

Chain Of Command For Emergency Contact
Of Governor's Office

- | | |
|---|----------------------|
| 1. David Carney, Emergency Contact | 271-2121
225-2643 |
| 2. Norman VanderNoot,
Director of Communications | 271-2121
366-5982 |
| 3. Bert Wakley | 271-2121
228-5578 |
| 4. Frank Haley | 271-2121
668-3138 |
| 5. 24-Hour Number for
Governor's Office | 271-3636 |

APPENDIX B

Media Center Information

News Media

The purpose of the Media Center, which is operated by the utility, is to provide a central location for media contact. Utility, State and Federal spokespersons will be stationed in the Media Center. This is the only facility from which detailed information about the emergency and the emergency response will be distributed, where news releases will be prepared and distributed, and where official spokespersons will interact with the media. Press information should also be coordinated with Massachusetts officials. This is the only location which will provide this level of support for the news media during the emergency response.

Designated Spokespersons

The Governor's Public Information Officer and the NHCOA Public Information Officers will be present in the Media Center. They will act as official spokespersons for New Hampshire. The Media Center is the designated location for media inquiries, but because the emergency response is being managed from the State EOC, and because the Governor will be located in the State EOC, it is realized that media interest will also focus on this location. While NHCOA has made plans for this activity, representatives of the media will find a low level of media support in the State EOC. New Hampshire will not distribute news releases or make official statements from the State EOC. None of the other State or local facilities will be prepared to support media activities and media representatives will be requested to go to the Media Center.

NEW HAMPSHIRE
CIVIL DEFENSE AGENCY

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

INDEX OF NHCDA PROCEDURES

There are fifteen procedures for NHCDA emergency response personnel. In this document the first eight procedures are for personnel located in the State EOC. The next six procedures are for IFO/EOF personnel. The last procedure is for the representative located in the Media Center. The following is a listing of the procedures.

1. Duty Officer
2. EOC Activation
3. NHCDA Director
4. EOC Operations Officer
5. Operations Controller
6. Agency Liaison Officer
7. Transportation Coordinator
8. Communications Officer
9. EOF Liaison
10. IFO Technical Assistant
11. IFO Controller
12. Assistant IFO Controller
13. NHCDA Local Liaison
14. IFO Communicator
15. NHCDA Media Representative

INDEX OF NHCDA PROCEDURES APPENDICES

- Appendix A EOC Activation Checklist
- Appendix B Initial Notification Form
- Appendix C EOC Activation Call List
- Appendix D Seabrook Station Status Report
- Appendix E Communications Systems Status Report
- Appendix F Protective Action Decision Criteria
- Appendix G Coordination of Public Alert/Notification System
- Appendix H RERP Message Forms and Operations Log
- Appendix I Transportation Resources
- Appendix J Local Status Report Form
- Appendix K Local Resource Assistance Request Form

1. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
DUTY OFFICER PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. The procedure describes the actions to be taken in response to each of the four Emergency Classification Levels prescribed by NUREG-0654.

All Emergency Classification Levels

NOTE TIME

1. Receive notification from the State Police Communications Center.

2. Record following information:

- (a) ECL declared:

☐ UNUSUAL EVENT
☐ ALERT
☐ SITE AREA EMERGENCY
☐ GENERAL EMERGENCY
☐ Emergency has been terminated

- (b) Protective Actions:

☐ No Protective Action Recommended,
 or

NEW HAMPSHIRE
SHELTER EVACUATE

☐	☐	Seabrook
☐	☐	Hampton Falls
☐	☐	Hampton
☐	☐	South Hampton
☐	☐	North Hampton
☐	☐	Brentwood
☐	☐	East Kingston
☐	☐	Exeter
☐	☐	Kingston
☐	☐	Newfields
☐	☐	Newton
☐	☐	Stratham
☐	☐	Greenland
☐	☐	New Castle
☐	☐	Portsmouth
☐	☐	Rye

MASSACHUSETTS
SHELTER EVACUATE

☐	☐	Amesbury
☐	☐	Salisbury
☐	☐	Merrimac
☐	☐	Newbury
☐	☐	Newburyport
☐	☐	W. Newbury

NOTE TIME

3. State Police should provide the name and number of the DPHS person that has been contacted. Record this information.

Name: _____
Current _____
Location: _____
Tel. #: _____

4. Verify message by call back to 271-3636 or 1-800-852-3411.

5. Duty Officer notify two NHODA staff members to monitor UNUSUAL EVENT. Duty Officer should see that two NHODA staff members are notified to open the EOC to monitor communications. Notify:

M. Nawoj	497-3249
M. Herrick	224-3249
D. Deans	798-5440
L. Kimball	774-4981
D. Perelman	225-7418
P. Herlihy	228-3675
G. Keller	228-8269

5. Provide the two NHODA staff notification items from steps 2 and 3.

6. Notify Director of NHODA, or alternate, of UNUSUAL EVENT. Provide Director with notification items from Steps 2 and 3. Inform Director of two NHODA staff assigned to open the EOC.

NOTE TIME

7. If contacted by DPHS, obtain and note description of initiating event and prognosis for escalation. Relay information to NHODA Director and to NHODA EOC staff when notified of their arrival at EOC. _____
8. Remain by telephone to receive further notification until relieved by EOC staff. _____
9. If further notification is received before relieved by EOC staff, notify Director of NHODA immediately and stand by until relieved. _____

2. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
EOC ACTIVATION PROCEDURE

This procedure is to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. The procedure describes the actions to be taken in response to each of the four Emergency Classification Levels.

UNUSUAL EVENT

Note Time

1. On arrival at EOC, obtain EOC activation checklist (Attached as Appendix A) and prepare EOC for activation. Disengage telephone diverter. _____
2. Contact duty officer and inform him of arrival at EOC. Inform him that subsequent notifications will be handled from the EOC. Receive initial briefing and record pertinent information on Initial Notification Form (Appendix B). Also note name and telephone number of DPHS contact person that has been notified by State Police. _____
3. Call DPHS contact, if not yet contacted by DPHS, to receive follow-up information on status of emergency. _____
4. Contact Director, NHCEA, advise of status of EOC, and provide follow-up information of nature of UNUSUAL EVENT. _____
5. Stand by to receive additional information from Seabrook Station, State Police, or DPHS. Advise Director, NHCEA, of additional information. _____
6. At direction of Director, NHCEA, complete call list to IFO/EOF team to stand by if activation is required. _____

Note Time

M. Nawoj	497-3249
D. Deans	798-5440
D. Perelman	225-7418
P. Herlihy	228-3675
P. Wing	428-7649
A. Turgeon	627-3743
J. Beaudoin	668-9081
W. Foote	753-4325
E. Lobacki	924-3936

7. Notify Maine CEP of emergency status via Maine State Police (207-289-2155). _____
8. Notify U.S. Coast Guard of Emergency Status (617-223-1470 or 617-223-3644) _____
9. Stand by for close-out or escalation of emergency classification level. _____
10. If emergency has been terminated, notify Director, Duty Officer, Maine CEP, USCG, and IFO/COF team if it has been contacted. _____

ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

1. Receive notification of change in emergency classification level from State Police Communications Center. Use initial Notification Form. (Attached as Appendix B). _____
2. If notification is by non-secure communication, verify notification by call to 271-3636 or 1-800-852-3411. _____
3. Report notification to Director, NHCDA. _____

4. Initiate IFO/EOF staff call list (See UNUSUAL EVENT #6).

5. Initiate NHODA EOC staff activation call list attached in Appendix C and notify all emergency organization members of emergency classification level. Note that NHODA Agency Liaison Officer simultaneously calls other state agencies.

6. Stand by to receive follow-up information from Seabrook Station, State Police Communications Center, or DPHS until relieved by EOC Operations Officer when EOC is activated.

NHODA Appendices Applicable to EOC Activation Procedure

Appendix A - EOC Activation Checklist

Appendix B - Initial Notification Form

Appendix C - EOC Activation Call List

3. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
DIRECTOR PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures describe actions to be taken according to each of the four emergency classification levels.

UNUSUAL EVENT

Note Time

1. Receive notification from State Police Communications Center, or, during off hours, from NHODA Duty Officer that an UNUSUAL EVENT has been declared. _____
2. Ensure that two NHODA staff have been assigned to implement EOC activation procedure and to monitor communications. This should be initiated by the Duty Officer during off hours. Assigned staff will call Director upon arriving at EOC. _____
3. Call Governor's Office to notify them of emergency conditions (271-2121). _____
4. Stand by to receive follow-up information on nature of UNUSUAL EVENT and prognosis for escalation. _____
5. If conditions indicate potential for escalation, direct EOC staff to place IFO/EOF team on stand by. _____
6. Stand by for notification of termination of emergency or escalation of emergency status. Brief Governor's Office as emergency status changes. _____

ALERTNote Time

1. Receive notification of ALERT from State Police Communications Center or, during off hours, from Duty Officer or EOC staff. Receive brief status report on emergency conditions. _____
2. Confirm activation of NHODA emergency organization is underway. Proceed to EOC if not there already. _____
3. Notify Governor's Office of ALERT status (271-2121). _____
4. Upon arrival at EOC, review staffing levels of NHODA. Determine that EOC Operations Officer is present, or that an acting Operations Officer is appointed. Request Operations Officer to prepare a Seabrook Station Status Report (Appendix D). _____
5. Ensure that IFO/EOF team has departed for the IFO. Obtain ETA for IFO/EOF team from Operations Officer. _____
6. Verify that the Agency Liaison Officer is present, or that an acting Agency Liaison Officer is appointed. Request Agency Liaison Officer to prepare his portion of the Seabrook Station Status Report (Appendix D, Items 6 and 7). _____
7. Verify that the Security & Support Officer is present, or that an acting Security Officer is appointed and the EOC is made secure. _____
8. Ensure that Communications Officer is present, or that an acting Communications Officer is appointed. Ask Communications Officer to prepare Communications Systems Status Report (Appendix E). _____

9. Ensure that Public Information Officer has departed for the Media Center at the Newington Town Hall. Establish ETA for them. _____
10. Receive Status Report from Operations Officer. _____
11. Meet with Operations Officer and DPHS Director, upon his arrival, to review plant status and accident assessment data, potentially affected areas, consider Protective Action Decision criteria (Appendix F), and determine the likelihood of need for protective actions. _____
12. When EOF Liaison reports that IFO/EOF Team is operational, receive updated status reports from the EOF as they become available. _____
13. If conditions indicate it is necessary to implement precautionary actions for summer beach populations. Refer to actions specified in Appendix F, and discuss with EOF Liaison. _____
14. Prepare and present, together with Operations Officer and DPHS Director, summary report for Governor or his representative (Appendix D). Determine need for news release. Obtain concurrence for any precautionary actions. Ensure that Massachusetts is made aware of any precautionary actions to be implemented. Advise Operations Officer to implement necessary actions. _____
15. Stand by for changes in status. Request updates from Operations Officer, Agency Liaison Officer and EOF Liaison each half hour to an hour. Together with Operations Officer and DPHS, brief Governor's Staff hourly, or as situation changes. _____

SITE AREA EMERGENCY

Note Time

1. Receive notification from EOF via NAS (orange phone) and note notification on Initial Notification Form (Appendix B). _____
2. Ensure that all EOC staff are aware of change in status. Ensure that all necessary ALERT procedures have been implemented. NOTE: OPERATIONS OFFICER BEGINS PUBLIC ALERT AND NOTIFICATION AT THIS POINT. _____
3. Verify that the Agency Liaison Officer has initiated the SITE AREA EMERGENCY call list. _____
4. Verify with Operations Officer that notification has been made to Rockingham County Dispatch, Brentwood and the 17 communities of the escalated status. _____
5. Confirm with EOC Operations Officer that public alert/notification has been coordinated and activated
6. Receive status report from EOF Liaison. Determine status of protective action recommendations from EOF. _____
7. Review the nature of the change in status with the Operations Officer and DPHS Director. Specifically discuss the imminent need for additional public notification and/or protective action. Consult with appropriate support agencies if access control and other protective actions are to be considered. At a minimum State Police, Pupil Transportation Safety and the EOF Liaison (re local ability to implement evacuation) should be included in discussions of protective action feasibility. _____

8. If conditions indicate the need for protective actions for summer beach populations, refer to actions specified in Appendix F, and discuss with EOF Liaison. _____
9. Prepare (along with Operations Officer and DPHS Director) a Seabrook Station Status Report for the Governor. Use form attached as Appendix D. _____
10. Review status report with Massachusetts officials (preferably Director MCDA). This discussion may be delegated to the Operations Officer. Agree on plant status and tentative coordinated protective actions to be taken by the two States. (After approval by Governor.) _____
11. Brief Operations Officer and DPHS Director on results of discussions with Massachusetts. _____
12. Together with Operations Officer and DPHS Director, brief Governor's Staff on changes in status and two-state actions tentatively agreed upon. Suggest the need or lack of need for protective actions. Obtain Governor's concurrence or his countermanding directions. Notify MA of any changes in the tentative agreements previously made in Step 6. _____
13. If Governor concurs with protective action recommendations, instruct Operations Officer to implement public alert and notification within 15 minutes of Governor's concurrence. Instruct EOF Liaison and other State agencies of decisions and their protective action implementation duties. _____
14. Stand by for changes in status. _____

GENERAL EMERGENCYNote Time

1. Receive notification of GENERAL EMERGENCY from EOF via NAS (orange Phone) and note notification on Initial Notification Form (Appendix B). _____
2. Ensure that all EOC staff members are aware of change in status, and ensure that SITE AREA EMERGENCY procedures have been implemented. _____
3. Verify with Operations Officer that notification has been made to Rockingham County Dispatch, Brentwood and the 17 communities of the escalated status. _____
4. Discuss protective action recommendations and, if appropriate, actions specified for summer beach population (Appendix F) with EOF Liaison. _____
5. Determine resource capability to implement recommended protective actions through Operations Officer and EOF Liaison. _____
6. Review protective action options with DPHS Director, and Operations Officer. At a minimum State Police, Pupil Transportation Safety and the EOF Liaison (re local ability to implement evacuation) should be included in discussions of protective action feasibility. _____
7. Prepare (along with Operations Officer and DPHS) a Seabrook Station Status Report. Use form attached as Appendix D. _____
8. Review summary status report with Massachusetts officials (preferably Director MCDA). This discussion may be delegated to the Operations Officer. Agree on plant status and tentative coordinated protective actions (After approval by Governor) to be taken by the two States. _____

9. Brief Operations Officer and DPHS Director on tentative decisions made in discussions with Massachusetts. _____
10. Together with Operations Officer and DPHS Director, brief Governor's Staff on changes in status and tentative two-state actions agreed upon. Explain the nature and rationale for protective actions recommended. Obtain Governor's concurrence or other directions. Notify MA of any changes in tentative agreements previously made in Step 8. _____
11. Instruct Operations Officer to implement these actions following approval by the Governor. Instruct EOF Liaison and other State agencies of decisions and their protective action implementation duties. Authorize release of additional emergency broadcast messages, and instruct Operations Officer to coordinate and implement protective actions according to procedure. _____
12. Stand by to monitor changes in plant status. Consult with EOF Liaison, Operations Officer and DPHS Director regularly to update protective action consideration. Discuss proposed changes in protective actions with MA and obtain Governor's approval before implementing. _____
13. Participate, as needed, with Governor's Staff in compiling and approving news releases. _____

DE-ESCALATION

Note Time

1. See that Operations Officer initiates notification to all appropriate parties that the situation has de-escalated. _____
2. Meet with Operations Officer, DPHS, State Police and Governor's representative to plan re-entry. Solicit opinions from DPHS regarding need for: _____

Continued access control?
Food & water control?
Monitoring before re-entry?
Emergency worker exposure control?

Solicit opinions from others regarding need for:

Crime control?
Damage assessment?
Coordination with Massachusetts
Federal Involvement?
Coordination with SS staff?
Media releases?

NHCDA Procedures Appendices used by the Director

Appendix B - Initial Notification Form

Appendix D - Seabrook Station Status Report

Appendix F - Protective Action Decision Criteria

4. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
EOC OPERATIONS OFFICER PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station. These procedures describe actions to be taken according to the four emergency classification levels.

UNUSUAL EVENT

Operations Officer duties begin at the ALERT ECL.

ALERT

Note Time

1. Upon arrival at EOC, assume duties. If Director has not arrived, assume Director's duties as well. _____
2. Review available data on plant status. Appoint Operations Controller to initiate and maintain status boards and to log all messages and changes in status. These messages and changes in status should be announced (by public address) to all personnel in EOC. Messages and status changes should be phoned to IFO/EOF, as well, when it has opened. _____
3. Check to see that DPHS is present. If DPHS is not present. Confirm that they have been notified and that their representative is in transit to the EOC. See that EOF phone link is established and manned until they arrive. (Telephone 474-9521). _____
4. Check status of IFO/EOF and local notifications. _____
5. Inform State Police Communications Center, SS and Rockingham County Dispatch in Brentwood that EOC is operational. Have EOC assume communications responsibility after reviewing communications systems report (Appendix E) prepared by Communications Officer. Confirm that EBS is on stand by. _____

6. Request and receive briefings from Agency Liaison Officer and Communications Officer with Director. Subsequently prepare a Seabrook Station Status Report (Appendix E) and use it to brief the Director.
7. Together with Director, discuss plant situation with DPHS. Determine appropriate protective action. _____
8. Assist Director with amending and presenting Seabrook Station Status Report (Appendix D) to Governor's staff. Determine need for media briefings. Implement any necessary precautionary actions deemed necessary by the Director and the Governor's Office. Coordinate any actions with EOF Liaison. _____
9. Review procedures for every other State Agency to see that all ALERT level commitments are covered. This may be delegated to the Operations Controller. _____
10. Initiate contacts with:
 - FEMA _____
 - NRC _____
 - MA EOC _____
 - Other Federal or State Agencies _____
11. Verify contacts with IFO/EOF as State staff arrive at their locations. _____
12. Stand by for changes in status. Participate in update briefings with NHCDA staff, the Director and DPHS each half-hour to an hour. Participate in briefings for Governor's staff hourly, or as needed. _____

SITE AREA EMERGENCY

Note Time

1. Ensure that all present in the EOC are aware of the change in status. Ensure that all necessary ALERT procedures have been implemented. Instruct all agencies at the EOC to begin SITE AREA EMERGENCY procedures. Also see that IFO, Rockingham County Dispatch, Media Center, and the towns are notified of escalation. _____
2. Verify that SITE AREA EMERGENCY notifications to State agencies have been initiated by the Agency Liaison Officer. _____
3. Upon verification of a SITE AREA EMERGENCY, prepare to activate the public alerting system as follows:
 - a. Select an appropriate time to activate the system. Inform the Director, EOF Liaison and agency representatives of the time for the activation. _____
 - b. Complete SITE AREA EMERGENCY Message (State Plan, Appendix B) or use Shelter or Evacuation Message as directed. _____
 - c. Call WOKQ at 964-6598 and ask for the News Director. _____
 - d. Direct WOKQ to activate EBS and tone alert radios. Provide message and activation time. _____
 - e. Direct Rockingham County Dispatch to activate sirens at the specified time. _____
4. Meet with the Director and DPHS staff to review the change in status. Determine the desirability of additional public information and/or protective actions. Consult with appropriate support agencies if access control and/or evacuation are to be considered. At a minimum State Police, Transportation Coordinator, Pupil Transportation Safety and the EOF Liaison (re: local ability to implement evacuation) should be included in discussions of protective action feasibility. _____

5. Assist the Director in preparing an updated Seabrook Station Status Report (See Appendix D). This report will be used as reference during the Director's discussions with utility personnel and MA Civil Defense Director. _____
6. Receive briefing, along with DPHS, from Director following conference call with MA officials. Receive instructions for coordinated actions, including EBS broadcasts. _____
7. Participate, with Director and DPHS, in briefing of Governor's Staff on changes in status and/or interstate actions tentatively agreed upon. Obtain Governor's concurrence or other directions. Notify MA of any changes in tentative agreements previously made. _____
8. Stand by for changes in status. _____
9. Review procedures for each State Agency. Ensure that no duties have gone unattended. This may be delegated to Assistant Operations Officer. _____

GENERAL EMERGENCY

1. Ensure that all present in EOC are aware of change in status. Ensure that all necessary SITE AREA EMERGENCY procedures have been implemented. Instruct agencies to undertake GENERAL EMERGENCY procedures. Also see that IFO, Rockingham County Dispatch, Media Center, and the 23 communities have been notified of escalation. _____
2. Upon notification of a GENERAL EMERGENCY, activate the public alerting system as follows: _____

- a. Select an appropriate time to activate the system.
Inform the Director, EOF Liaison and agency
representatives of the activation time. _____
 - b. Complete GENERAL EMERGENCY Message (State Plan,
Appendix B) or use Shelter or Evacuation Message as
directed. _____
 - c. Call WOKQ at 964-6598 and ask for the News Director. _____
 - d. Direct WOKQ to activate EBS and tone alert radios.
Provide message and activation time. _____
 - e. Direct Rockingham County to activate sirens at the
specified time. _____
3. Meet with Director and DPHS staff to review the change in
status. Agree upon preferred time for additional public
information/notification and protective actions to be
suggested for NH communities. Consult with appropriate
support agencies if access control and/or evacuation are
to be considered. At a minimum State Police,
Transportation Coordinator, Pupil Transportation Safety
and the EOF Liaison (re: local ability to implement
evacuation) should be included in discussions of
protective action feasibility. _____
4. Assist the Director in preparing updated Seabrook Station
Status Report. (Use form attached as Appendix D.) This
report will be used as a reference during the Director's
discussions with utility personnel and MA Civil Defense
Director. _____
5. Receive briefing, along with DPHS, from Director
following conference call with MA officials. Receive
instructions for coordinated actions, including
subsequent EBS broadcasts. _____

6. Together with Operations Officer and DPHS, brief Governor's Staff on changes in status and tentative two-State actions agreed upon. Explain the nature and rationale for protective actions recommended. Obtain Governor's concurrence or other directions. Notify MA of any changes in tentative agreements previously made.
-

7. Implement additional public information and/or protective actions as deemed appropriate by the Governor.
-

NOTE: IFO, THE MEDIA CENTER AND THE COMMUNITIES SHOULD BE PROVIDED ADVANCE NOTICE OF PROTECTIVE ACTIONS AND PUBLIC INFORMATION IF AT ALL POSSIBLE. ALSO COORDINATE EBS BROADCASTS WITH MA OFFICIALS.

8. Stand by for changes in status.
-

9. Review GENERAL EMERGENCY procedures for each State Agency. Ensure no duties have gone unattended. This may be delegated to Operations Controller.
-

10. Stand by to monitor changes in plant status. Meet regularly with DPHS. Advise Director of changes in status and need to revise protective actions. Discuss potential changes in protective actions with EOF Liaison and MA, and obtain Governor's concurrence. Notify IFO, Media Center and communities before making public the changes in protective actions. Coordinate EBS broadcasts with MA officials.
-

11. Assist Director with news release duties.
-

DE-ESCALATION

Note Time

1. See that all parties are notified of de-escalation status. _____
2. Participate in Director's de-escalation planning. _____

NHCDA Procedures Appendices used by Operations Officer:

Appendix D - Seabrook Station Status Report

Appendix E - Communications Systems Status Report

5. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
OPERATIONS CONTROLLER PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. The procedure describes the actions to be taken in response to each of the four Emergency Classification Levels prescribed in NUREG-0654.

UNUSUAL EVENT

Operations Controller duties begin at the ALERT ECL.

ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

Note Time

1. Upon arrival at EOC assume duties. If Operations Officer has not arrived, assume his duties as well. _____
2. Confirm that the necessary UNUSUAL EVENT procedures of all NHCDA have been completed. _____
3. Initiate and maintain EOC status boards and maps. (This may be delegated). _____
4. Initiate and maintain EOC activity and message logs. (See Appendix H for forms). Copy Operations Officer on all incoming messages. Make sure he is promptly aware of all important information. _____
5. Supervise activity in EOC. Maintain quiet working atmosphere. Announce all pertinent information over EOC PA systems. Coordinate interagency requests for support. Contact Operations Officer to resolve interagency disputes or problems. _____

Note Time

6. Contact and brief EOF Liaison on EOC activities at least hourly. _____
7. Follow procedures for all agencies in the EOC except NHCOA and DPHS. Provide prompting as necessary to see that all procedure action items are implemented. _____
8. Respond to direction from Operations Officer and/or Director. _____

NHCOA Procedures Appendices used by the Director

Appendix H - RERP Message Forms and Operations Log

6. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
AGENCY LIAISON OFFICER PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station. These procedures describe action to be taken according to the four emergency classification levels.

UNUSUAL EVENT

Note Time

Agency Liaison Officer duties begin at the ALERT ECL.

ALERT

1. Verify that all UNUSUAL EVENT notifications have been made to:

State Police Comm Center (by the utility)
DPHS (by the utility)
Governor's Office (by NHCDA Director)
Maine CEP (NHCDA Staff)
U.S. Coast Guard (by NHCDA Staff)

Make any calls not yet completed to these agencies. See Appendix C for telephone numbers.

2. Initiate the ALERT calls. Notify:

National Guard (report)
Human Services (stand by)
Red Cross (stand by)
Pupil Transportation Safety (stand by)
Civil Air Patrol (stand by)
Boating Safety (stand by)
U.S. Coast Guard (stand by)
DRED (report)
Maine CEP

3. Maintain status sheet or status board outlining which agencies have been contacted and who is present at the EOC.

NOTE: MANY AGENCIES MAY ELECT TO SEND REPRESENTATIVES AT THE ALERT LEVEL. ALL AGENCIES SHOULD SEE THAT A REPRESENTATIVE IS SENT AT THE SITE AREA EMERGENCY LEVEL.

4. Inform Operations Controller as each agency arrives. As necessary, guide these agency representatives to their duty stations. NOTE: DIRECT EACH AGENCY TO MAKE A LOG OF ITS COMMUNICATIONS AND ACTIONS. DIRECT EACH AGENCY TO NOTIFY THE OPERATIONS CONTROLLER OF EACH ENTRY ON ITS LOG. (See Appendix H for RERP Message Forms and Operations Log.)
5. Brief Director and Operations Officer on agency presence as required.
6. Refer agency representatives to Operations Controller for inter-agency support requests.
7. Stand by for changes in status of emergency. Continue to try to contact agencies not previously notified.

SITE AREA EMERGENCY

1. Initiate the SITE AREA EMERGENCY notification. Contact those in EOC in person to confirm status. See that all others are called and confirm that a representative will be dispatched to the EOC and/or IFO immediately. See Appendix C for telephone numbers.

Note Time

Governor's Office (EOC)
State Police (EOC and IFO)
DPHS (EOC and IFO)
National Guard (EOC and IFO)
Agriculture (EOC)
Human Services (EOC)
Red Cross (EOC)
State Highways (EOC and IFO)
Pupil Transportation Safety (EOC)
EMS (EOC and IFO)
Fish & Game (EOC and IFO)
DRED (EOC and IFO)
CAP (EOC and IFO)
Water Supply & Pollution Control (EOC)
Boating Safety (IFO)
U.S. Coast Guard (IFO)
Maine CEP (information only)

2. Maintain status sheet outlining which agencies have been contacted and which have arrived at EOC.
3. Inform Operations Controller as each agency arrives. As necessary, continue to guide each agency to its duty station. Direct each arriving agency to log its communications and actions. Direct each agency to notify the Operations Controller of each entry on the log.
4. Refer inter-agency support requests to the Operations Controller.
5. Stand by for changes in status of emergency. Continue to contact agencies not previously notified. Seek State Police support for this task if necessary.

GENERAL EMERGENCY

Note Time

1. See that EAL #2 and EAL #3 checklists have been completed. _____
2. Provide support as required by Operations Officer. _____

NHCDA Appendices Applicable to Agency Liaison Officer.

Appendix C - EOC Activation Call List

Appendix H - RERP Message Forms and Operations Log

7. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
TRANSPORTATION COORDINATOR PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station. These procedures describe action to be taken according to the four emergency classification levels.

Note Time

UNUSUAL EVENT

Transportation Coordinator duties begin at the ALERT ECL.

ALERT

1. Receive notification of the ALERT status at Seabrook Station.
2. Receive notification and report to the State EOC. Report availability to the RERP Operations Officer. Receive notification of a) termination of emergency status, or b) escalation of emergency status. If escalated, continue with checklist.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Contact all potential transportation support organizations (see Appendix I). Have them standby until they are needed.
 - a) Determine number and capacity of vehicles available.
 - b) Determine mobilization time.
2. Determine need for state vehicles from support agencies and coordinate use. Requests will be forwarded from Local Liaison at IFO.

- | | <u>Note Time</u> |
|---|------------------|
| 3. Coordinate efforts with the Pupil Transportation Safety representative. | _____ |
| 4. Determine if road conditions are conducive to evacuation. | _____ |
| 5. Standby to receive and respond to requests for aid, information and directions from NHCDA staff. | _____ |

NHCDA Appendices Applicable to Transportation Coordinator

Appendix I - Transportation Resources

8. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
COMMUNICATIONS OFFICER PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station. These procedures describe action to be taken according to the four emergency classification levels.

Note Time

All Emergency Classification Levels

1. Review status of communications systems. Establish availability:

EOF telephone

Commercial telephones

Orange phones

NAWAS

SP Radio

EBS (put WOKQ on stand by)

Other Systems

2. Establish contact with:

State Police Communications Center

Rockingham County Dispatch

EOF/Control Room

3. Report communications equipment status to Operations Officer. (See Appendix E for report form).

4. See that all NHODA communications equipment is being monitored. Use State Police Staff, and others as necessary, to monitor continuing communications. See that Orange Phone, NAWAS, and radios are covered at all times. Request any needed help through Operations Officer.

Note Time

5. Forward messages over all links to and from appropriate destinations. See that Operations Officer is given copy of all incoming messages. See that message logs are kept (See Appendix H for message and log forms). _____
6. At ALERT level, put EBS on stand by. Have EBS authentication codes available. Initiate EBS if so directed by the Operations Officer. (Review Appendix G). _____
7. Report changes in communications capability to Operations Officer. _____
8. Stand by for changes in status. _____

NHCDA Appendices Applicable to Communications Officer

Appendix E - Communications Systems Status Report

Appendix G - Coordination of Public Alert/Notification System

Appendix H - RERP Message Forms and Operations Log

9. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
EOF LIAISON PROCEDURES

These procedures prescribes actions to be taken by the EOF Liaison of the New Hampshire Civil Defense Agency in the event of an emergency of the Seabrook Station Nuclear Power Plant. The procedures describe actions to be taken according to each of the four emergency classification levels.

Note Time

UNUSUAL EVENT

1. Notification may be received from NHODA EOC staff to stand by for possible activation of IFO/EOF staff. If notified, remain available for further information until advised of close-out of the emergency. _____
2. If notified to standby, request available information on status of UNUSUAL EVENT. Request call-back on status of IFO/EOF staff availability. Review subsequent procedures if time permits. _____

ALERT

1. Receive notification from NHODA staff to move NHODA IFO/EOF Team to the IFO/EOF. _____
2. Verify notification of NHODA IFO/EOF Team. Supervise mobilization and coordinate departure of IFO/EOF team. _____
3. Inform EOC Operations Officer of approximate ETA, and depart for IFO/EOF. _____
4. Upon arrival at Newington Station, sign-in on IFO/EOF staff roster maintained by EOF Security. _____

5. Request operational readiness report from IFO Controller. Request emergency conditions report from IFO Technical Assistant.

6. Establish contact with DPHS IFO Coordinator and establish time of operational readiness. If DPHS IFO Coordinator has not arrived, determine approximate time of arrival through the State EOC.

7. In conjunction with DPHS IFO Coordinator, establish contact with the utility EOF Coordinator and receive briefing on plant status and accident assessment results. Complete Seabrook Station Status Report (Appendix D).

8. Establish communications with the Director and Operations Officer, NHCDA at the State EOC and advise of operational status of IFO/EOF and status of emergency conditions.

9. Brief IFO staff on operational status and emergency conditions.

10. Ensure preparation of Local Status Report Forms for local town emergency organizations by IFO Controller and Local Liaison Officers. (See Appendix J). Review and approve status report for town emergency organizations.

11. Review Protective Action Decision Criteria with NHCDA Technical Assistant (see Appendix F) and DPHS.

12. Assign NHFDA Technical Assistant to monitor status of plant systems and accident assessment activities and to initiate entries on figures 1A through 5 of Protective Action Decision Criteria. _____
13. Maintain Seabrook Station Status Report (Attached as Appendix D) and report emergency status to Director, NHFDA as current information becomes available. Report hourly even if there is no change in plant status. _____
14. Ensure that periodic updates of emergency conditions are provided to IFO and support agency staff for updating of status reports to local emergency organizations. _____
15. Coordinate discussions of protective action recommendations with DPHS IFO Coordinator, utility EOF Coordinator, and Massachusetts Officials in the EOF. Record any recommended action (Appendix D). _____
16. If protective or precautionary actions are recommended;
 - (a) call meeting of IFO staff in NHFDA conference room. _____
 - (b) by speaker phone, relay recommendation to Director, NHFDA. _____
 - (c) with Director, NHFDA and IFO staff review actions required to implement recommended actions. _____
17. Receive decision from EOC and report decision to EOF Coordinator and Massachusetts representatives. _____

18. If no actions are recommended, consider and discuss with Massachusetts representatives following minimal actions that may be warranted if conditions degrade:

- (a) access control at NH Exit 1 of I-95 _____
- (b) access control on Route 1 in Massachusetts at Route 286 _____
- (c) access control on I-95 northbound in Massachusetts at Route 286 _____
- (d) access control on I-95 southbound in Portsmouth _____
- (e) access control on Route 1 southbound at Route 88 _____
- (f) access control on Route 107 at I-95 _____

19. Standby to receive additional plant status and accident assessment data, and notification of change of emergency status. _____

SITE AREA EMERGENCY and GENERAL EMERGENCY

- 1. Receive notification of declaration of Emergency Classification Level (ECL) change in the EOF. _____
- 2. Monitor official notification of ECL change via Nuclear Alert System telephone in the IFO.
(Refer to attached Initial Notification Form attached as Appendix B). _____

3. Review Protective Action Decision Criteria actions specified for SITE AREA EMERGENCY and GENERAL EMERGENCY with NHCEA Technical Assistant. (See Appendix F). _____
4. Assign Technical Assistant to monitor status of plant systems and accident assessment. _____
5. Coordinate formulation of protective action recommendation with DPHS personnel, utility EOF personnel, and Massachusetts officials in the EOF. _____
6. When decision is made for protective action recommendations call meeting of IFO staff in NHCEA conference room. By speaker phone, relay recommendation to Director, NHCEA. With Director, NHCEA and IFO staff, review actions required to implement recommended actions. _____
7. Receive decision from EOC and initiate implementation of appropriate actions. _____
8. Standby to receive additional plant status and accident assessment data, and notification of change of emergency status. _____

NHCEA Appendices Applicable to EOF Liaison

- Appendix B - Initial Notification Form
- Appendix D - Seabrook Station Status Report
- Appendix F - Protective Action Decision Criteria
- Appendix J - Local Status Report Form

10. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
IFO TECHNICAL ASSISTANT PROCEDURES

This document provides checklist procedures to be followed by the IFO Technical Assistant in the event of an emergency at the Seabrook Nuclear Power Station. The procedures describes actions to be taken according to each of the four emergency classification levels.

Note Time

UNUSUAL EVENT

1. Notification may be received from NHODA EOC staff to standby for possible activation. If notified to standby, remain available to receive notification to report to IFO/EOF. _____
2. If notified to standby, review checklists and procedures until advised of close-out of the emergency or escalation to a higher ECL. _____

ALERT

1. Receive notification from EOC staff that an ALERT has been declared. Coordinate departure time and transportation arrangements with EOF Liaison. _____
2. Report to the IFO/EOF at Newington Station, Newington, New Hampshire. Sign in on staff roster maintained by EOF Security. _____
3. Obtain plant status information from utility representatives in EOF. Obtain information in Attachment A to Appendix F. Brief the EOF Liaison on plant status. _____

4. Establish liaison with DPHS Accident Assessor and continue to monitor accident assessment data. _____
5. Utilizing the worksheets attached to Protective Action Decision Criteria (Appendix F), enter accident assessment data as it becomes available. _____
6. Monitor plant status data in consultation with utility EOF Technical Assistant. Maintain data on Seabrook Station Status Report. (Appendix D). _____
7. Report accident assessment and plant status data to EOF Liaison every thirty (30) minutes or at request of EOF Liaison. _____
8. Assist IFO Controller and Local Liaison Officers with preparation of status reports to local emergency organizations. _____
9. Standby for close-out or change in emergency classification level. _____

SITE AREA EMERGENCY AND GENERAL EMERGENCY

1. Receive notification that Site Area Emergency has been declared. _____
2. In the event of initial notification of SITE AREA EMERGENCY, receive notification from NHCEA EOC staff and report immediately to IFO/EOF at Newington Station, Newington, New Hampshire. Coordinate departure and transportation plans with EOF Liaison. Complete checklist for ALERT Steps 3-9. _____

3. Review Protective Action Decision Criteria actions specified for Site Area Emergency and General Emergency with EOF Liaison (Appendix F).

4. Continue actions 5-9 specified for ALERT ECL.

5. Standby for close-out or change in emergency classification level.

NHCOA Appendices Applicable to Technical Assistant

Appendix D - Seabrook Station Status Report

Appendix F - Protection Action Decision Criteria

Appendix J - Local Status Report Form

11. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
IFO CONTROLLER PROCEDURES

This document provides a checklist to be used by the IFO Controller in event of an emergency condition at Seabrook Station Nuclear Power Plant.

Note Time

UNUSUAL EVENT

1. Receive notification from EOC staff if Director, NHCEA, decides to place IFO/EOF team on standby. _____
2. Remain available for notification to report to IFO/EOF or of termination of UNUSUAL EVENT. _____

ALERT

1. Receive notification of ALERT through emergency call out. _____
2. Depart promptly for IFO. Coordinate departure and transportation plans with EOF Liaison. Maintain radio contact with EOC Communications Center in transit. _____
3. On arrival, activate IFO and ensure operation of telephone and other communications system. Direct Local Liaison Officers to establish communications with the 17 communities and request that future communications from communities be directed to the IFO. _____
4. Exchange information on emergency status with the EOF Liaison. _____

5. Brief Assistant IFO Controller and Local Liaison Officers on status of emergency conditions and operations. Direct Assistant IFO Controller to initiate and maintain status boards. _____
6. Ensure assignment of local liaison team, Assistant IFO Controller, Status Board Keeper, and Message Controller. Ensure that status boards are maintained and updated. _____
7. Insure that Emergency Broadcast receiver is set up. (WOKQ). _____
8. Assign field techs to assist DPHS monitoring team members to operationally check monitoring kits and report status of team kits back to IFO Controller. _____
9. Contact DPHS monitoring teams/decontamination coordinator for monitoring teams radio call signs. _____
10. Review host communities (Dover, Durham, Manchester, Nashua, Rochester and Salem) checklists. _____
11. Ensure Local Liaison Officers have contacted host community Civil Defense Directors and briefed them on current status and reviewed preparatory activities. _____
12. Stand by to respond to requests for information or support and changes in status. _____

SITE AREA EMERGENCY

1. Receive notification of escalation to SITE AREA EMERGENCY from EOF Liaison. Insure that necessary ALERT procedures have been implemented. _____
2. Ensure Rockingham County Dispatch has notified local communities of SITE AREA EMERGENCY on Rockingham County Dispatch radio frequencies and to STANDBY to activate the public alert/notification system. Report status to the EOF Liaison. _____
3. Brief those in the IFO of escalation of ECL and current status.
4. Have local liaison staff confirm ECL escalation with local EOC staffs via telephone. Report IFO actions and current status to local EOCs. _____
5. Direct IFO communicator to conduct radio checks with local EOC's using CD radios, if necessary. _____
6. Receive alert/notification systems activation times from EOC. Coordinate activation of these systems with Rockingham County Dispatch and local EOCs. _____
7. Confirm that local notification was acknowledged and that public alert/notification system was activated. Monitor WOKQ monitor to insure proper message was broadcast. Note time. Report confirmation of public notifications to Operations Officer at State EOC. _____

8. Acknowledge initial contacts from Liaison Officers
as towns open EOCs:

Brentwood	642-8132
East Kingston	642-8406
Exeter	772-1212
Greenland	431-7111
Kingston	642-5512
New Castle	436-2515
North Hampton	964-8282
Portsmouth	436-1127
Seabrook	474-3434
Stratham	772-3113
Hampton	926-3333
Hampton Falls	926-3377
Kensington	772-5191
Newfields	778-0900
Newton	382-5212
Rye	964-8683 fire 964-5521
South Hampton	388-1616

9. Inform EOF Liaison and Operations Officer at Concord
EOC as each local EOC is opened.
10. As information becomes available, ensure local liaison
staff brief towns on ECL and protective action
recommendations.
11. Assign State agency representatives to duty stations
as they arrive. Instruct them to check in with their
counterparts at the EOC.

Troop A
National Guard
EMS
State Highways
DPHS
DRED
Fish and Game
Boating Safety
U.S. Coast Guard

12. Ensure status boards and flow of information are maintained in the IFO. _____
13. Coordinate implementation of protective actions by the IFO Staff as directed by the Operations Officer from the EOC. This includes providing appropriate instructions to the local EOC's and host communities and possible activation of reception center facilities. _____
14. Confirm that Local Liaison Officers have placed host community fire departments on standby for activation of Decontamination Centers. _____
15. Ensure Local Liaison Officers request and provide periodic updates to and from local EOCs. _____
16. Standby for escalation of emergency status or closeout. _____

GENERAL EMERGENCY

1. Receive notification of change in status from EOC. Ensure that all necessary SITE AREA procedures have been implemented. _____

2. Ensure that all present in IFO are aware of change in status. Instruct agencies to proceed with GENERAL EMERGENCY procedures.
-

3. Ensure that local EOCs are notified of change in status, and updated on current status and conditions by local liaison staff. Use radio or telephone.
-

Brentwood	642-8132
East Kingston	642-8406
Exeter	772-1212
Greenland	431-7111
Kingston	642-5512
New Castle	436-2515
North Hampton	964-8282
Portsmouth	436-1127
Seabrook	474-3434
Stratham	772-3113
Hampton	926-3333
Hampton Falls	Not Yet Available
Kensington	772-5191
Newfields	778-0900
Newton	382-5212
Rye	964-8683 fire 964-5521
South Hampton	388-1616

3. Receive notification from EOC protective actions to be implemented. Relay this information to the appropriate State agency representatives at the IFO, local EOCs and agency staff at IFO.
-
4. Verify implementation of protective action assignments.
-

5. Ensure activation of reception facilities by HHS as necessary. Contact host community EOCs to confirm readiness of emergency response organization and facilities in host communities. _____
6. Confirm activation of decontamination facilities with DPHS. Coordinate any host community assistance needed by DPHS. _____
7. Ensure issuance of dosimeters by Field Techs to State emergency field workers in areas subject to plume. Coordinate maintenance of exposure records with DPHS IFO Technical Advisor. _____
8. Report all above actions to EOF Liaison as they are implemented. _____
9. Stand by to monitor changes in emergency status. Implement needed changes in protective action. _____

DE-ESCALATION

1. Notify all parties in IFO and local emergency response organizations of de-escalation status. _____
2. Implement Director's Re-entry Planning. _____

12. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
ASSISTANT IFO CONTROLLER

UNUSUAL EVENT

Note Time

1. Receive notification from EOC staff if Director, NHCDA decides to place IFO/EOF team on stand by. _____
2. Remain available for notification to report to IFO/EOF or of termination of UNUSUAL EVENT. _____

ALERT, SITE AREA EMERGENCY AND GENERAL EMERGENCY

1. Receive notification of ALERT through emergency call out. _____
2. Report immediately to IFO/EOF at Newington Station. Coordinate departure and transportation plans with EOF Liaison. _____
3. On arrival, report to IFO Controller and receive briefing on status of emergency operations. _____
4. Distribute necessary supplies (message forms, logs, notepads, pencils, etc.) to message center staff. _____
5. Assign tasks to message center staff as available. _____
6. Ensure the operational status of the Panafax (ie. send test message to State EOC and DPHS). _____
7. Oversee switchboard operations. _____
8. Log all messages (incoming, outgoing, and internal). _____

Note Time

9. Route incoming and internal messages to appropriate persons.

10. Maintain status boards.

13. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
NHODA LOCAL LIAISON

This document provides a checklist for use by the NHODA Local Liaisons in event of an emergency condition at Seabrook Station Nuclear Power Plant.

UNUSUAL EVENT

Note Time

1. Receive notification by NHODA EOC staff to stand by, if necessary.

ALERT, SITE AREA, GENERAL EMERGENCY

1. Receive notification via NHODA call list that an Alert, Site Area or General Emergency has been declared at Seabrook Station Nuclear Power Plant.
2. Report to the IFO at Newington Station in Newington. Coordinate departure and transportation plans with EOF Liaison.
3. Upon arrival at the EOF/IFO report to the IFO Controller.
4. Receive briefing on current plant and EPZ status from IFO Controller.
5. Establish and maintain communications with the seventeen local EOCs. Keep them informed of all ECL changes, changes in plant and EPZ status, and protective actions. Give your phone number and direct them to contact you to request support assistance, inform of actions, and report conditions.
6. Complete Local Status Report Form (Appendix J).
7. Initiate and maintain local emergency organization status boards.

		<u>Phone numbers</u>
Brentwood	EOC	642-8132
East Kingston	EOC	642-8406
Exeter	EOC	772-1212
Greenland	EOC	431-7111
Hampton	EOC	926-3333
Hampton Falls	EOC	926-3377
Kensington	EOC	772-5191
Kingston	EOC	642-5512
New Castle	EOC	436-2515
Newfields	EOC	778-0900
Newton	EOC	382-5212
North Hampton	EOC	964-8282
Portsmouth	EOC	436-1127
Rye	EOC	964-8683
Seabrook	EOC	474-3434
South Hampton	EOC	388-1616
Stratham	EOC	772-3113

Also see Appendix K of State Plan for additional local telephone numbers.

8. Establish and maintain contact with host communities, upon their activation. Keep them informed of all changes in status.
-

	<u>Phone numbers</u>
Dover EOC	742-4414
Durham EOC	868-5531
Manchester EOC	669-2256
Nashua EOC	880-3343
Rochester EOC	332-4141
Salem EOC	898-4545

Also see Appendix K of State Plan for additional telephone numbers.

Note Time

9. Report all requests or concerns from the local EOCs to the IFO Controller promptly. Use form contained in Appendix K.

DE-ESCALATION AND RE-ENTRY

1. Notify all local and host EOCs of changes in status and implementation of Re-entry procedures.

NHCDA Procedures Appendices Used by Local Liaison

Appendix J - Local Status Report Form

Appendix K - Local Resource Assistance Request Form

14. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
IFO COMMUNICATOR

This document contains the checklist for the IFO Communicator to be followed in case of an emergency condition at Seabrook Station Nuclear Power Plant.

UNUSUAL EVENT

Note Time

1. Receive notification of NHCEA EOC Staff to standby, if necessary.

ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

1. Receive notification via NHCEA call list that an ALERT, SITE AREA EMERGENCY OR GENERAL EMERGENCY has been declared at Seabrook Station Nuclear Power Plant.
2. Report to the IFO at Newington Station in Newington. Coordinate departure and transportation plans with EOF Liaison.
3. Review status of communications systems. Establish availability:

EOF telephone
Commercial telephones
Orange phones (NAS)
Other Systems

4. Establish contact (Radio Test) with:

State EOC

Brentwood EOC

East Kingston EOC

Exeter EOC

Greenland EOC

Hampton EOC

Hampton Falls EOC

Kensington EOC

Kingston EOC

New Castle EOC

Newfields EOC

Newton EOC

North Hampton EOC

Portsmouth EOC

Rye EOC

Seabrook EOC

South Hampton EOC

Stratham EOC

5. Report communications equipment status to IFO Controller (use Appendix E). Receive briefing on current status.

6. Perform radio tests with the seventeen local EOCs at regular intervals and/or when necessary to transmit situation status updates.

7. See that communications equipment is being monitored. Use NHCDA Staff, as necessary, to monitor continuing communications. See that Orange Phone, and radios are attended at all times. Request any needed help through IFO Controller.

8. Forward messages over all links to and from appropriate destinations. See that IFO Controller is given copies of all incoming messages. Use forms from Appendix H.

Note Time

9. At SITE AREA EMERGENCY, establish contact with:

Manchester EOC

Nashua EOC

Salem EOC

Dover EOC

Rochester EOC

Durham EOC

If they have been activated.

10. Report changes in communications capability to IFO
Controller.

11. Stand by for changes in status.

NHODA Appendices Applicable to IFO Communicator

Appendix E - Communications Systems Status Report

Appendix H - RERP Message Forms and Operations Log

15. NEW HAMPSHIRE CIVIL DEFENSE AGENCY
MEDIA REPRESENTATIVE

This document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station. These procedures describe actions to be taken according to the four emergency classification levels.

Note Time

UNUSUAL EVENT

No Action Required.

ALERT

1. Receive notification of declaration of ALERT through emergency call-out. _____
2. Report immediately to Media Center at Newington Town Hall, Newington, New Hampshire. _____
3. On arrival at Media Center:
 - (a) Establish contact with Governor's Media Representative at the Media Center. _____
 - (b) Establish contact with NHY Media Representative. _____
 - (c) Establish contact with Massachusetts Media Center Representatives. _____
 - (d) Establish communication with Governor's Media Liaison at the State EOC. Provide media center telephone number for New Hampshire media representatives and Panafax number. _____
 - (e) Conduct operational test of Panafax by sending copy to and receiving copy from State EOC.

4. Monitor NHY rumor control operation and provide accurate information about state of New Hampshire emergency operations in response to rumors. Maintain rumor control log. _____
5. Advise State EOC of rumor control activation and of significant rumors received in Media Center via rumor control. _____
6. In consultation with Governor's Media Representative, NHY Media Center Coordinator, and Massachusetts Media Center Representative, review rumor control media releases, provide hard copy of release to EOC Media Liaison, and obtain approval for any release from Governors staff at State EOC. _____
7. Review all media releases approved for release by NHY pertaining to plant conditions and utility actions. Provide hard copy to Governor's Media Representative and State EOC. _____
8. Maintain log of time and nature of news releases. Provide copies of New Hampshire news releases to rumor control staff. _____
9. Obtain all media releases approved for release by Governor or designee from State EOC. Review release with Governor's Media Representative, NHY Media Coordinator, and Massachusetts Media Representative. _____
10. Receive any requests from local emergency organizations for media releases through the EOC Media Liaison. _____

11. Prepare media release concerning local emergency organization status and:
 - (a) Review with Governor's Media Representative, Massachusetts Media Representative and NHY Media Center Coordinator. _____
 - (b) Hard copy media release to Governor's Media Liaison at the EOC. _____
 - (c) Obtain approval for release from State EOC. _____
 - (d) Issue approved media release through Media Center. _____
 - (e) Log time and nature of news releases. _____
12. Assist Governor's Media Representative with participation in joint media briefings with NHY and Massachusetts by:
 - (a) Obtaining status information through Governor's Media Liaison from State EOC. _____
 - (b) Assisting with preparation of briefing text for Governor's Media Representative. _____
 - (c) Providing text of briefing to State EOC. _____
13. Stand by for change in emergency status. _____

SITE AREA EMERGENCY

1. Receive confirmation of notification of change in emergency classification level from EOC Media Liaison. _____
2. Ensure that Governor's Media Representative is aware of change in emergency classification level. _____
3. Participate in coordination of media release of change in emergency status with Governor's Media Representative, NHY Media Center Coordinator, and Massachusetts Media Representative. _____
4. Hard copy new releases to State EOC. _____
5. Obtain copy of all emergency broadcast messages approved for release from Governor's Media Liaison at the EOC. _____
6. Review emergency broadcast messages to be released with Governor's Media Representative, NHY Media Center Coordinator and Massachusetts Media Representative. _____
7. When advised by EOC that emergency broadcast message has been released, coordinate release of message to press representatives at the media center. _____
8. Continue actions 8 through 13 prescribed for ALERT. _____

Note Time

GENERAL EMERGENCY

1. Receive confirmation of notification of change in
emergency classification level from EOC Media Liaison. _____
2. Continue actions 2 through 8 prescribed for SITE AREA
EMERGENCY. _____

APPENDIX A

EOC ACTIVATION CHECKLIST

(Under Development)

APPENDIX B

INITIAL NOTIFICATION FORM

INITIAL NOTIFICATION FORM

BLOCK 1. "THIS IS: _____
(Name) (Title)

AT SEABROOK STATION, SEABROOK, NEW HAMPSHIRE.

BLOCK 2. WE HAVE DECLARED A (AN): _____ UNUSUAL EVENT
_____ ALERT
_____ SITE AREA EMERGENCY
_____ GENERAL EMERGENCY

BLOCK 3. WE RECOMMEND THE FOLLOWING:

_____ NO PROTECTIVE ACTION RECOMMENDED (GO TO BLOCK 4).

NEW HAMPSHIRE			MASSACHUSETTS		
SHELTER	EVACUATE		SHELTER	EVACUATE	
_____	_____	Seabrook	_____	_____	Amesbury
_____	_____	Hampton Falls	_____	_____	Salisbury
_____	_____	Hampton	_____	_____	Merrimac
_____	_____	South Hampton	_____	_____	Newbury
_____	_____	North Hampton	_____	_____	Newburyport
_____	_____	Brentwood	_____	_____	W. Newbury
_____	_____	East Kingston			
_____	_____	Exeter			
_____	_____	Kingston			
_____	_____	Newfields			
_____	_____	Newton			
_____	_____	Startham			
_____	_____	Greenland			
_____	_____	New Castle			
_____	_____	Portsmouth			
_____	_____	Rye			

BLOCK 4. THE EMERGENCY: _____ HAS BEEN TERMINATED
_____ IS CONTINUING

APPENDIX C

EOC ACTIVATION CALL LIST

CALLS CHART

	Initial Notification at ECL:	ECL			
		UE	A	SAE	GE
State Police Comm. Ctr.	1	x	x	x	x
DPHS	1	x	x	x	x
CDA	1	x	x	x	x
Governor's Office	1	x	x	x	x
Rockingham County Dispatch	1	x	x	x	x
U.S. Coast Guard	1	x	x	x	x
National Guard	2		x	x	x
Troop A (via State Police)	2		x	x	x
Boating Safety	2		x	x	x
Agriculture	3			x	x
Welfare	2		x	x	x
Red Cross	2		x	x	x
State Highways	3			x	x
Pupil Transportation Safety	2		x	x	x
EMS	2		x	x	x
Fish & Game	3			x	x
DRED	2		x	x	x
CAP	2		x	x	x
Water Supply & Pollution Control	3			x	x
ME CEP	1	x	x	x	x
Brentwood	1	x	x	x	x
East Kingston	1	x	x	x	x
Exeter	1	x	x	x	x
Greenland	1	x	x	x	x
Kingston	1	x	x	x	x
New Castle	1	x	x	x	x
North Hampton	1	x	x	x	x
Portsmouth	1	x	x	x	x
Seabrook	1	x	x	x	x
Stratham	1	x	x	x	x

CALLS CHART (CONTINUED)

Hampton	1	x	x	x	x
Hampton Falls	1	x	x	x	x
Kensington	1	x	x	x	x
Newfields	1	x	x	x	x
Newton	1	x	x	x	x
Rye	1	x	x	x	x
South Hampton	1	x	x	x	x

		Initial Notification	ECL			
		at ECL:	UE	A	SAE	GE
FEMA		2		x	x	x
IFO		2		x	x	x
MA EOC		3			x	x
EOF	via DPHS	2		x	x	x
EPA	via DPHS	2		x	x	x

SS Call List: State RERP Agencies

	Office	24 Hour No.
1. Governor's Office		
a. David Carney	271-2121	271-3636 or 525-4905
b. Bert Wakeley	271-2121	271-3636 or 228-5578
c. Norman VanderNoot	271-2121	271-3636 or 366-5982
d. Frank Haley	271-2121	668-3158
2. Division of Public Health Services		
a. Diane E. Tefft	271-4588	524-3358 also S.P. pager
b. Donald E. Halle	271-4585	622-9618
c. John R. Stanton	271-4583	623-4743
d. William Wallace	271-4501	746-38311
3. State Police Communication		
a. Communications	NA	271-3636 1-800-852-3411
b. Troop C		271-1158 271-1159
4. U.S. Coast Guard	617-223-1470	or 223-3644
5. Civil Air Patrol Headquarters	271-3225	
a. Capt. Gordon A. Cheney	382-5331	382-4922
b. Capt. Virginia Schartner	271-3225	224-8833
c. LTC. Alger Conger	524-3032	528-2264
d. Maj. Edward Goodin	224-7474	286-7157
e. Maj. Don Lockwood	524-6392	267-6949

	Office	24 Hour No.
6. Public Works & Highway		
a. Commissioner Wallace Stickney	271-3734	
b. Division #5 Hooksett	485-9526	
7. DRED		
a. John Flanders	271-2411	225-3796
b. John Sargent	471-2217	435-8580
	485-3851	
8. Department of Fish & Game		
a. Mason Butterfield	271-3127	225-2805
b. David Hewitt	271-3129	279-8067
9. EMS		
a. John Muir	271-4569	224-5262
b. Bruce Baxter	778-1727	749-1042
c. Wilma Low	778-1727	749-0417
10. Pupil Transportation Safety		
a. Michael Coltin	271-2485	434-4282
		M.V. 21 via S.P.
b. Ken Lewis	271-2764	225-6067
11. American Red Cross		
a. Keene 24 hours	352-3210	
b. Concord 24 Hour	225-6697	
c. Fredrick Wood	224-0752	
12. Department of Agriculture		
a. Dr. Charles Putnum	352-8550	456-8550
b. Roy Howard	271-2505	224-4120

Office 24 Hour No.

13. Division of Health and Human Services

a. Commissioner Mangan	271-4334 (Dial 4-4334)	622-6623
b. Dir. Chevrefils	271-4321 (Dial 4-4321)	224-9077
c. William Colburn	271-4299 (Dial 4-4280)	763-4740

14. National Guard

a. MG Lloyd Price	271-2331	224-4159
b. Col. Geary	271-2331	224-4677
c. Ltc. Kehr	228-1135 x232	746-5619
d. Ltc. Agrafiotis	228-1135 x240	485-5017

NOTE: National Guard EOC 271-2544. Page via Fish & Game duty hours,
non-duty hours State Police will page on F & G frequencies.
All-Call is 509.

15. Water Supply & Pollution Control

a. Bernard Lucey	271-3139	225-5450
b. William Healy	271-3503	224-0667

16. Maine CEP (via State Police) 207-289-2155

NOTE: Additional call lists are kept in the procedures of each of these
agencies.

NEW HAMPSHIRE STATE CIVIL DEFENSE AGENCY
EMERGENCY RESPONSE ORGANIZATION ROSTER

<u>Emergency Operating Center, Concord</u>	<u>A SHIFT</u>	<u>B Shift</u>
Director	Richard Strome	James Saggiotes
Operations Officer	Mead Herrick	David W. Hayden
Assist. Operations Officer	Robert Pariseau	Nancy Wurtz
Agency Liaison Officer	George Keller	Edward Lobacki
Communications Officer	Dave Maydwell	Robert Menzies
Transportation Coordinator	Wayne Roswell	Lee Kimball
EOC Security	Robert Ober	Jim Minnoch

Incident Field Office/Emergency Operations Facility, Newington Station

EOF Liaison	Michael M. Nawoj	Gerald Coogan
Technical Assistant	Deena Perelman	Michael J. Poirier
IFO Controller	David H. Deans	Patrick Herlihy
Asst. IFO Controller	Penny Wing	Daneen Desrochers
IFO Communicator	Joann Beaudoin	Wallen J. Foote
Local Liaison Officers:	Nicholas Pishon Lawrence Parsons	David Coogan Arthur Turgeon

Media Center, Newington Town Hall

Media Representative	David N. Cass	Kenneth A. Jollimore
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State Civil Defense Headquarters
State Office Park South
107 Pleasant Street
Concord, N.H. 03301

Telephone
271-2231
1-800-852-3792

STATE DIRECTOR	Richard H. Strome RFD 1, Route 13 Goffstown, N.H. 03045	774-3837
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DEPUTY DIRECTOR	James Saggiotes 23 Summit Road Newport, N.H. 03773	863-3254
-----------------	--	----------

ADMINISTRATIVE DIVISION

ADMINISTRATIVE ASSISTANT I	Nancy R. Wurtz RFD 2 - Box 415 Concord, N.H. 03301	224-1401
----------------------------	--	----------

ACCOUNTANT I	Penny Wing P.O. Box 408 Henniker, N.H. 03242	428-7649
--------------	--	----------

ACCOUNTANT I	Lisa Genest Box 436 - Garland Rd. Barnstead, N.H. 03218	435-6966
--------------	---	----------

ACCOUNTING TECHNICIAN	Julie Sawtelle 7 Knight Street Concord, N.H. 03301	225-6978
-----------------------	--	----------

WORD PROCESSOR II	Wallene J. Foote 29 B High Street Penacook, N.H. 03303	753-4325
-------------------	--	----------

ACCOUNT STENO. II	"Lu" Moyse 34 Washington St. Concord, N.H. 03301	228-0034
-------------------	--	----------

WORD PROCESSOR I	Susan Clark RFD #14 - Box 366 Penacook, N.H. 03303	796-2739
------------------	--	----------

WORD PROCESSOR I	Joann Beaudoin 19 Glenridge Ave. Manchester, N.H. 03102	668-9081
------------------	---	----------

SECRETARY TYPIST TRAINEE	Tammy Vaillancourt RFD #2 - Box 68 Laconia, N.H. 03246	528-3891
--------------------------	--	----------

CLERK I	Daneen Desrochers 77 North State Street Concord, N.H. 03301	
---------	---	--

SENIOR FIELD REPRESENTATIVE/ HEALTH PHYSICIST	Deena C. Perelman 706 Alton Woods Drive Concord, N.H. 03301	225-7418
---	---	----------

RADIATION PROTECTION

RADIATION PROTECTION OFFICER	Michael J. Poirier Old Coach Road Salisbury, N.H. 03268	648-2338
---------------------------------	---	----------

RADIATION PROTECTION
OFFICER

RADIOLOGICAL SYSTEMS MAINTENANCE

RSM FACILITY SUPERVISOR	Lawrence Parsons Garvins Falls Rd.-R.F.D.4 Concord, N.H. 03301	228-8546
----------------------------	--	----------

RADIOLOGICAL INSTRUMENT TECHNICIAN	Arthur A. L. Turgeon 129 Edmond Street Manchester, N.H. 03102	627-3743
---------------------------------------	---	----------

PLANNING DIVISION

CHIEF OF PLANNING DIVISION	David W. Hayden Cross Road Mont Vernon, N.H. 03057	673-3005
-------------------------------	--	----------

PLANS DEVELOPMENT

CIVIL DEFENSE PROTECTION PLANNER	David N. Cass R.F.D. #3-Box 2E Laconia, N.H. 03246	524-8714
-------------------------------------	--	----------

FACILITIES ENGINEER	Wayne Roswell P.O. Box 299 Ashland, N.H. 03217	968-7124
---------------------	--	----------

COMMUNITY PLANNING COORDINATOR	Jim Minnoch 1354 Hall Street Manchester, N.H. 03104	669-9274
-----------------------------------	---	----------

FIELD REPRESENTATIVE	Robert Ober 130 Flagstone Dr. - Apt. 2 Nashua, N.H. 03063	883-4588
-------------------------	---	----------

TRAINING & EXERCISE

TRAINING OFFICER

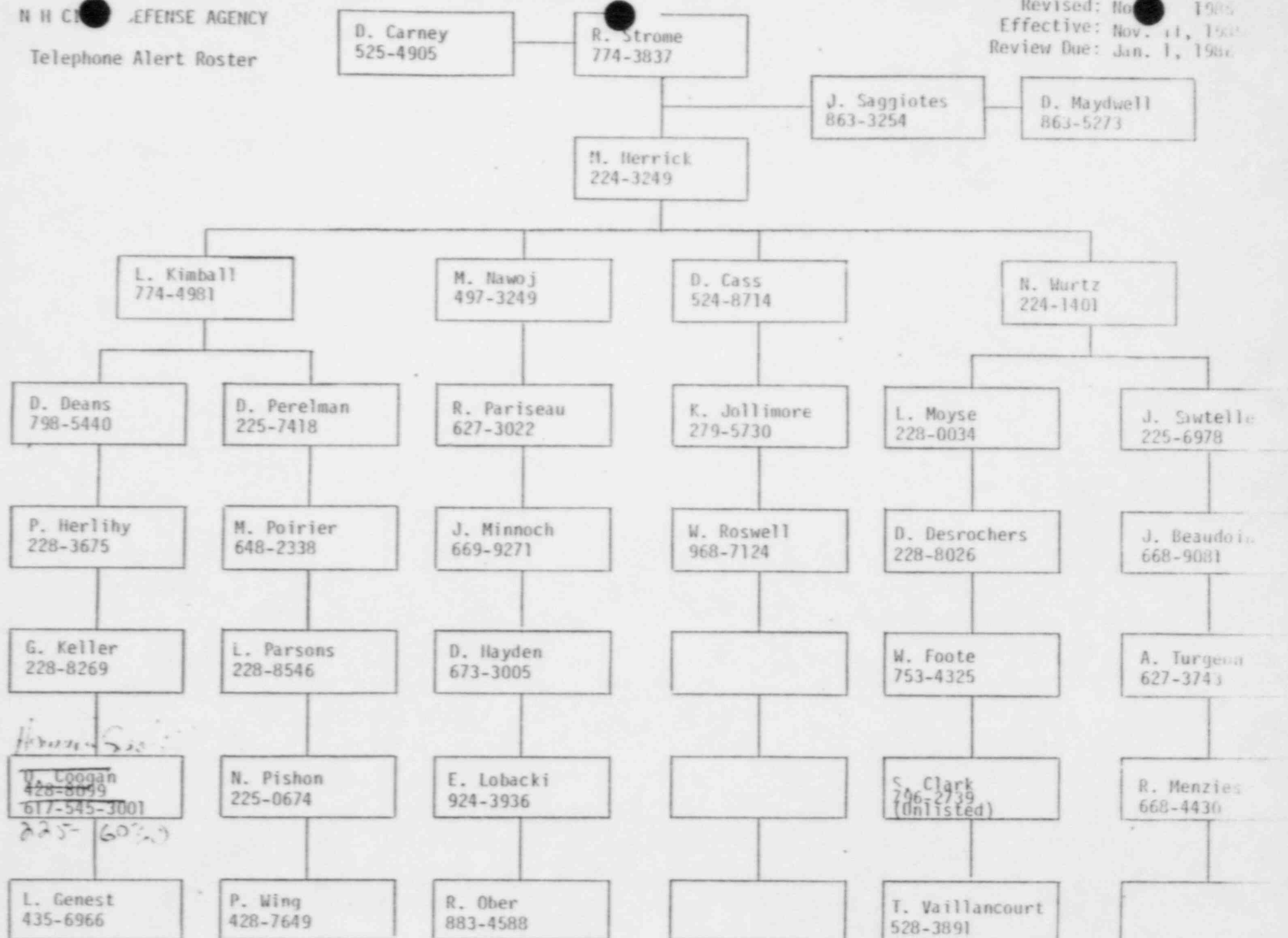
George Keller
185 Loudon Rd.
Concord, N.H. 03301

228-8269

EXERCISE CONTROLLER

Kenneth A. Jollimore
Highland St., P.O. Box 947
Meredith, N.H. 03253

279-5730



APPENDIX D

SEABROOK STATION STATUS REPORT

REPORT
NUMBER _____

APPENDIX D
SEABROOK STATION STATUS REPORT

Page 1 of 3 Pages

Day _____ Date _____ Time _____

1. As of _____ (time), Seabrook Station Nuclear Power Station declared:

a. Unusual Event _____	c. Site Area Emergency _____
Immediately terminated _____	
b. Alert _____	d. General Emergency _____

2. The incident involves:

3. At this time:

a. _____ there has been no release of radioactive materials.
and the station foresees: _____ no possibility of a release.
_____ a near term possibility of a release.
_____ a long term possibility of a release.

b. _____ there has been a release of radioactive materials.

4. Prevailing winds at the station are from _____ degrees at _____ mph.
(N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW Sector)

The town(s) of:

_____ Brentwood	_____ Kensington	_____ Portsmouth
_____ East Kingston	_____ Kingston	_____ Rye
_____ Exeter	_____ New Castle	_____ Seabrook
_____ Greenland	_____ Newfields	_____ S. Hampton
_____ Hampton	_____ Newton	_____ Stratham
_____ Hampton Falls	_____ N. Hampton	

would be/are affected if a release of radioactive material should occur.

REPORT

NUMBER _____

Page 2 of 3 Pages

5. We recommend:

- a. ☐ No protective action at this time.
- b. ☐ Public notification in: (N)
- c. ☐ Access control in: (A)
- d. ☐ Sheltering of people in: (S)
- e. ☐ Evacuation of people in: (E)

☐ Brentwood	☐ Kensington	☐ Portsmouth
☐ East Kingston	☐ Kingston	☐ Rye
☐ Exeter	☐ New Castle	☐ Seabrook
☐ Greenland	☐ Newfields	☐ S. Hampton
☐ Hampton	☐ Newton	☐ Stratham
☐ Hampton Falls	☐ N. Hampton	

6. The State Emergency Operation Center in Concord is:

- a. ☐ Partially operational
- b. ☐ Fully operational

The following agencies:

HAVE BEEN	ARE		HAVE BEEN	ARE	
<u>NOTIFIED</u>	<u>PRESENT</u>		<u>NOTIFIED</u>	<u>PRESENT</u>	
☐	☐	Governors Office	☐	☐	Public Welfare
☐	☐	Civil Defense	☐	☐	Red Cross
☐	☐	Public Health	☐	☐	Public Works
☐	☐	Agriculture	☐	☐	and Highways
☐	☐	Boating Safety	☐	☐	Pupil Trans.
☐	☐	Civil Air Patrol	☐	☐	Safety
☐	☐	DRED	☐	☐	Water Sup. &
☐	☐	Emer. Med. Svcs.	☐	☐	Poll. Cont.
☐	☐	Fish & Game	☐	☐	U.S. Coast
☐	☐	National Guard	☐	☐	Guard

REPORT

NUMBER _____

Page 3 of 3 Pages

7. The State Incident Field Office in Newington is:

- a. ☐ Not operational
- b. ☐ Partially operational
- c. ☐ Fully operational

The following agencies:

HAVE BEEN NOTIFIED	ARE PRESENT		HAVE BEEN NOTIFIED	ARE PRESENT	
_____	_____	Civil Defense	_____	_____	Public Welfare
_____	_____	Public Health	_____	_____	Red Cross
_____	_____	Agriculture	_____	_____	State Police
_____	_____	Civil Air Patrol	_____	_____	Emer. Med.
_____	_____	Fish and Game			Svcs.
_____	_____	National Guard			

8. The Utilities Emergency Operation Facility (EOF) is:

- a. ☐ Not staffed at this time
- b. ☐ Staffed at this time

9. We recommend:

- a. ☐ No press briefings at this time
- b. ☐ A press briefing at this time
- c. ☐ A press briefing at _____

The last briefing was given at _____ at _____
(time) (location)

10. We have communicated with:

- a. Massachusetts EOC _____
- b. Maine EOC _____
- c. FEMA _____
- d. NRC _____
- e. EPA _____
- f. NE Rad. Health Compact _____
- g. Other: _____

APPENDIX E

COMMUNICATIONS SYSTEMS STATUS REPORT

COMMUNICATIONS SYSTEMS STATUS REPORT

Report No. _____ Day _____ Date _____ Time Completed _____

System	Service	Status		Operator On Duty
		Operational	Non-Operational	
Radio	1. Civil Defense			
	a. NH			
	b. MA			
	c. VT			
	2. State Police			
	a. Low Band			
	b. High Band			
	3. Fish and Game			
	4. DRED			
	a. Forest Svc.			
	5. Public Works			
	and Highways			
	6. Rockingham Cty			
	Dispatch			
	7. Civil Air Patrol			
	a. FM			
	b. HF			
	8. Amateur			
	a. 2 Meters			
	b. 6 Meters			
	c. HF			
	9. Red Cross			
Telephone	1. Commercial			
	2. Nuc Alert Sys			
	3. ECF Phone			
	4. NAWAS			
Teletype	1. CONATS			

APPENDIX F

PROTECTIVE ACTION DECISION CRITERIA

STATE OF NEW HAMPSHIRE

PROTECTIVE ACTION DECISION CRITERIA

I. Purpose

This appendix establishes criteria and guidance to facilitate protective action decisions for the general population within the Plume Exposure Pathway Emergency Planning Zone for the Seabrook Station. Criteria and guidance for protective action decisions are also provided for certain special populations and for summer, seasonal populations.

II. Responsibility

- A. Accident assessment personnel of the Division of Public Health Services are responsible for implementing parts III. A. and III. B. of this appendix.
- B. Decision making personnel of the Governor's office, The New Hampshire Civil Defense Agency, and the Division of Public Health Services are responsible for implementing decision guidance contained in part IV of this appendix.

III. Protective Action Decisions for General Population

- A. Use of Protective Action Recommendation Worksheet for General Population
 - 1. Obtain a copy of Figure 1A, Protective Action Recommendation Worksheet for General Population.
 - 2. Using information from the nuclear facility operator, IFO personnel will complete a worksheet for each distance of interest.
 - 3. Report the results of the evaluation to the DPHS IFO Coordinator and the NHCDA EOF Liaison.
- B. Additional Considerations for Special Facilities with Significant Shielding Characteristics
 - 1. Obtain a copy of Figure 1B, Special Facility Protective Action Worksheet.
 - 2. Complete the worksheet.
 - 3. Report the results of the evaluation to the DPHS IFO Coordinator and the NHCDA EOF Liaison.

CAUTION

SHELTERING FACTORS ARE NOT TO BE CONSIDERED FOR SCHOOL FACILITIES. SCHOOLS WILL FOLLOW THE SAME PROTECTIVE ACTIONS PRESCRIBED FOR THE GENERAL POPULATION.

A. General Considerations

1. Precautionary actions affecting seasonal beach populations may be warranted at an early stage of an emergency before protective actions for the general population are warranted.
2. Radiological assessment data may not be available or useful when considering early precautionary action decisions for seasonal beach populations.
3. Prognosis of deteriorating plant conditions may compel implementation of precautionary actions, without consideration of PAC ranges, when seasonal beach populations are potentially affected. Pertinent plant system considerations are indicated in Attachment A.
4. Precautionary actions for seasonal beach populations would include:
 - a. Closing beaches and other recreational facilities that attract seasonal populations and which are in close proximity to the plant, i.e. within an approximate 2 mile radius.
 - b. Implementation of access and traffic control at roadway points leading to these affected areas to monitor traffic and to advise people of actions taken.
 - c. Issuance of public announcements of actions taken through normal media channels.
 - d. Continued monitoring of traffic flow and local conditions in affected areas.

CAUTION

PRECAUTIONARY ACTIONS SHOULD BE CONSIDERED FOR THE PERIOD
MAY 15 THROUGH SEPTEMBER 15.

B. Precautionary and Protective Actions by Emergency Classification Level

1. Alert

a. Initiating Conditions

- (1) Wind direction is toward the beach, (from 200° to 300°) or meteorological conditions are unstable as indicated by atmospheric stability class A, B, or C.
- (2) Plant conditions as determined by plant personnel indicate that a major plant system is unstable or degrading.

- (1) Advise Department of Resources and Economic Development (DRED) to close beaches and state park areas in Hampton Beach and in Seabrook Beach between Ashworth Avenue to the North and Route 236 (NH/Mass border) to the South.
- (2) Advise DRED to implement special patrols to advise beach and state park populations of closing and to assure that beaches and parks are cleared.
- (3) Advise Hampton and Seabrook Fire Departments to activate public address systems on the beach and to announce closing.
- (4) Advise State Police to establish access control (i.e. to facilitate movement of departing traffic and to control incoming traffic) at the following locations:
 - (a) intersection of Routes 51 and 1
 - (b) intersection of Routes 51 and I-95 (close exit 2)
 - (c) intersection of Routes 107 and 1
 - (d) intersection of Routes 107 and I-95 (close exit 1)
- (5) Advise Hampton Police Department to establish traffic control points at:
 - (a) Ocean Boulevard (Route 1A) and Route 51
 - (b) Landing Road and Route 51
 - (c) Other traffic control points within Hampton Beach as deemed necessary to facilitate the flow of traffic.
- (6) Advise Seabrook Police Department to establish traffic control points at:
 - (a) Ocean Boulevard (Route 1A) and Route 236
 - (b) Washington Road and Route 236

Note: Seabrook Police Department should request Salisbury, Mass. Police Department to establish traffic control at Lafayette Road and Route 136.
- (7) Issue the following news release through the Media Center at Newington Town Hall: THERE HAS BEEN AN ALERT DECLARED AT THE SEABROOK STATION. AS A PRECAUTION, THE STATE OF NEW HAMPSHIRE HAS CLOSED BEACH AND STATE PARK AREAS IN HAMPTON BEACH AND IN SEABROOK BEACH. PRECAUTIONARY ACTIONS INCLUDE RESTRICTING ACCESS TO SEABROOK BEACH AND HAMPTON BEACH. THERE IS NO REASON FOR THE PUBLIC TO TAKE ANY FURTHER ACTIONS AT THIS TIME.

1. Initiating Conditions

- (1) Wind direction is toward the beach (200° to 300°), or meteorological conditions are unstable as indicated by atmospheric stability class A, B, or C.
- (2) Plant conditions are stable without indication of further degradation.

b. Actions

- (1) Advise Department of Resources and Economic Development (DRED) to close beaches and state park areas in Hampton Beach and in Seabrook Beach between Ashworth Avenue to the North and Route 236 to the South.
- (2) Advise DRED to implement special patrols to assure beaches and parks in those areas are cleared.
- (3) Advise Hampton and Seabrook Fire Departments to activate public address systems on the beach and to announce closing.
- (4) Advise State Police to establish access control and to restrict access on the part of non-residents to Hampton Beach and to Seabrook Beach from the following locations:
 - (a) intersection of Routes 51 and 1
 - (b) intersection of Routes 51 and I-95 (close exit 2)
 - (c) intersection of Routes 107 and 1
 - (d) intersection of Routes 107 and I-95 (close exit 1)
- (5) Advise Hampton Police Department to establish traffic control points and to restrict access on the part of non-residents to Hampton Beach at the following locations:
 - (a) Ocean Boulevard (Route 1A) and Route 51
 - (b) Landing Road and Route 51
 - (c) Ocean Boulevard at Hampton Harbor Bridge (close bridge to ingressing traffic)
 - (d) Other traffic control points within Hampton Beach as deemed necessary to facilitate flow of traffic.
 - (e) Other traffic control points specified in Hampton Police Department procedures.
- (6) Advise Seabrook Police Department to establish traffic control points and to restrict access on the part of non-residents to Seabrook Beach at the following locations:

(b) Washington Road and Route 186

(c) All other traffic control points specified in Seabrook Police Department procedures.

Note: Advise Seabrook Police to request the Salisbury, Mass. Police Department to restrict access on the part of non-residents to Route 186 from Route 1.

(7) Prepare the following EBS message for release:

THIS IS AN IMPORTANT EMERGENCY BULLETIN FOR PERSONS IN THE VICINITY OF THE SEABROOK NUCLEAR POWER STATION. A SITE AREA EMERGENCY HAS BEEN DECLARED AT THE SEABROOK STATION. STATE OF NEW HAMPSHIRE CIVIL DEFENSE AND PUBLIC HEALTH PERSONNEL ARE ASSESSING THE SITUATION. AT THIS TIME, NO ACTIONS ARE NECESSARY ON THE PART OF THE PUBLIC. THERE IS NO RISK OF EXPOSURE TO RADIATION.

AS A PRECAUTION, THE STATE OF NEW HAMPSHIRE HAS CLOSED STATE BEACHES AND PARKS IN THE HAMPTON BEACH AND SEABROOK BEACH AREAS. PRECAUTIONARY ACTIONS INCLUDE RESTRICTING ACCESS TO SEABROOK BEACH AND HAMPTON BEACH.

PLEASE STAY TUNED TO THIS STATION FOR FURTHER INFORMATION AND INSTRUCTIONS.

(7) Coordinate time for broadcast of the EBS message by WOKQ with activation of sirens, and advise all local EOC's of EBS message and time of siren activation.

(8) Coordinate activation of sirens and EBS message broadcast with Massachusetts EOC.

(9) Authorize activation of New Hampshire EPI sirens.

(10) Provide EBS message to Media Center at Newington Town Hall.

3. Site Area Emergency with Degrading Plant Conditions

a. Initiating Conditions

(1) All meteorological conditions

(2) Prognosis of plant status indicates degradation of a major plant system.

b. Actions

(1) Advise local EOC's and Massachusetts EOC of Governor's declaration of state of emergency.

(2) Recommend evacuation of general public of Hampton Beach and Seabrook Beach from Ocean Boulevard and Ashworth Avenue to the North and Ocean Boulevard and Route 186 to the South. Advise EOC's of Seabrook, Hampton, and Hampton Falls.

- (3) Advise State Police to establish access control points for 2 mile radius. See Attachment 3.
- (4) Advise State Police to restrict access to Hampton Beach and to Seabrook Beach from the following locations:
- (a) Intersection of Routes 51 and 1
 - (b) Intersection of Routes 51 and I-95 (close exit 1)
 - (c) Intersection of Routes 107 and 1
 - (d) Intersection of Routes 107 and I-95 (close exit 1)
- (5) Advise Hampton Police Department to establish traffic control points and to restrict entry to Hampton Beach at the following locations:
- (a) Ocean Boulevard (Route 1A) and Route 51
 - (b) Route 51 and Landing Road
 - (c) Ocean Boulevard at Hampton Harbor Bridge (close bridge to departing and entering traffic, and route traffic North from the bridge).
 - (d) Other traffic control points within Hampton Beach as deemed necessary to facilitate flow of traffic.
 - (e) All other traffic control points specified in Hampton Police Department procedures for high summer transient population.
- (6) Advise Seabrook Police Department to establish traffic control points and to restrict access to Seabrook Beach at the following locations:
- (a) Ocean Boulevard (Route 1A) and Route 286
 - (b) Washington Road and Route 286
 - (c) Advise Seabrook Police to request Salisbury, Mass. Police to restrict access on Route 286 from Route 1 and to facilitate flow of traffic West on Route 286 and South on Route 1.
 - (d) All other traffic control points specified in Seabrook Police Department procedure for high summer transient populations.
- (7) Advise Dept. HHS to activate Reception Center at Nashua. Advise DPMS to activate Decontamination Center at Nashua.
- (8) Prepare the following EBS message for release:

THIS IS AN IMPORTANT EMERGENCY BULLETIN FOR PERSONS IN THE VICINITY OF THE SEABROOK NUCLEAR POWER STATION. A SITE AREA EMERGENCY HAS BEEN DECLARED AT THE SEABROOK STATION.

STATE OF NEW HAMPSHIRE CIVIL DEFENSE AND PUBLIC HEALTH PERSONNEL ARE ASSESSING THE SITUATION.

THE GOVERNOR OF NEW HAMPSHIRE HAS DECLARED A STATE OF EMERGENCY AND THE STATE OF NEW HAMPSHIRE HAS CLOSED STATE BEACHES AND PARKS IN THE HAMPTON BEACH AND SEABROOK AREAS. ACCESS TO THESE AREAS BY NON-RESIDENTS IS BEING RESTRICTED.

AS AN ADDITIONAL PRECAUTION, ALL PERSONS RESIDING, WORKING, OR VISITING HAMPTON BEACH OR SEABROOK BEACH, BETWEEN ASHWORTH AVENUE AND OCEAN BOULEVARD, TO THE NORTH, AND ROUTE 286 AND OCEAN BOULEVARD, TO THE SOUTH, ARE ADVISED TO LEAVE THE AREA.

REPEAT: ALL PERSONS RESIDING, WORKING, OR VISITING HAMPTON BEACH OR SEABROOK BEACH, BETWEEN ASHWORTH AVENUE AND OCEAN BOULEVARD, TO THE NORTH, AND ROUTE 286 AND OCEAN BOULEVARD, TO THE SOUTH, ARE ADVISED TO LEAVE THE AREA.

FOR PERSONS FROM THESE AREAS WHO REQUIRE ASSISTANCE OR TEMPORARY SHELTER, RECEPTION FACILITIES HAVE BEEN OPENED AT THE CITY OF NASHUA PUBLIC WORKS AND HIGHWAYS BUILDING, RIVERSIDE DRIVE, NASHUA, NEW HAMPSHIRE.

PLEASE STAY TUNED TO THIS STATION FOR FURTHER INFORMATION AND INSTRUCTIONS.

- (9) Coordinate time for broadcast of the EBS message by WOKQ with siren activation. Advise local EOCs and Massachusetts EOC of EBS message and siren activation time.
- (10) Authorize activation of sirens in New Hampshire EPZ.
- (11) Provide EBS message to Media Center at Newington Town Hall.
- (12) Consider extending protective actions to other areas of Seabrook, Hampton, and Hampton Falls based on:
 - (a) Meteorological Conditions
 - (b) Radiological Assessment
 - (c) Local Conditions (Attachment C)
 - (d) Emergency Response Organization Status.
 - (e) Plant Status and Prognosis

4. General Emergency

a. Initiating conditions

- (1) All conditions

b. Actions

- (1) Advise local EOC's and Massachusetts EOC of Governor's declaration of state of emergency.
- (2) Recommend evacuation of general public from all beach areas along Ocean Boulevard within the towns of Hampton and Seabrook from Ocean Boulevard and North Shore Road to the North and Ocean Boulevard and Route 236 to the South.
- (3) Recommend sheltering for all remaining areas of Hampton, Hampton Falls, and Seabrook.
- (4) If wind is from the South, South-Southeast, South-Southwest or Southwest, recommend sheltering for North Hampton.
- (5) If wind is from the East/Northeast, East, East/Southeast, recommend sheltering for Kensington and for South Hampton.
- (6) Advise the Department of Resources and Economic Development to close beaches and state park areas in Hampton and Seabrook from North Shore Road and Ocean Boulevard to the North and Route 236 and Ocean Boulevard to the South, and to implement special patrols to assure that beaches and parks are cleared.
- (7) Advise State Police to establish access control points for affected areas in a 2 mile radius and 5 miles downwind according to Attachment B.
- (8) Advise State Police to restrict access to Hampton and Seabrook Beach areas from the following locations:
 - (a) Intersection of Atlantic Avenue and Ocean Boulevard
 - (b) Intersection of Routes 51 and 1
 - (c) Intersection of Routes 51 and I-95 (close exit 2)
 - (d) Intersection of Routes 107 and 1
 - (e) Intersection of Routes 107 and I-95 (close exit 1)
- (9) Advise Hampton Police Department to establish traffic control points at the following specific locations:
 - (a) Ocean Boulevard (Route 1A) and Route 51
 - (b) Route 51 and Landing Road

to exiting and ingressing traffic and traffic from the bridge).

- (d) Other traffic control points within Hampton Beach as deemed necessary to facilitate flow of traffic.
 - (e) All other traffic control points specified in Hampton Police Department procedures for high summer transient populations.
- (10) Advise Seabrook Police Department to establish traffic control points at the following specific locations:
- (a) Ocean Boulevard (Route 1A) and Route 286
 - (b) Washington Road and Route 286
 - (c) Seabrook Police should request Salisbury, Mass. police to restrict access on to Route 286 from Route 1 and to facilitate flow of traffic West on Route 286 and South on Route 1.
 - (d) Establish all other traffic control points specified in Seabrook Police Department procedures for high summer transient populations.
- (11) Advise Dept. HHS to activate Reception Centers at Nashua and Manchester. Advise DPHS to activate Decontamination Centers at activated Reception Centers.
- (12) Prepare the following EBS message for release:

THIS IS AN IMPORTANT EMERGENCY BULLETIN FOR
PERSONS IN THE VICINITY OF THE SEABROOK NUCLEAR
POWER STATION.

A GENERAL EMERGENCY HAS BEEN DECLARED AT THE
SEABROOK STATION. THIS MEANS THAT PLANT CONDITIONS
ARE AFFECTING THE LEVEL OF SAFETY OF THE PLANT AND
COULD AFFECT THE LEVEL OF SAFETY OUTSIDE OF THE
PLANT.

STATE OF NEW HAMPSHIRE CIVIL DEFENSE AND PUBLIC
HEALTH PERSONNEL ARE ASSESSING THE SITUATION.

THE GOVERNOR OF NEW HAMPSHIRE HAS DECLARED A
STATE OF EMERGENCY, AND RECOMMENDS THE FOLLOWING
PROTECTIVE ACTIONS TO THE PUBLIC:

- 1. PERSONS RESIDING, WORKING, OR VISITING BEACH
AREAS IN THE TOWNS OF HAMPTON AND SEABROOK
FROM NORTH SHORE ROAD AND OCEAN BOULEVARD,
TO THE NORTH, AND ROUTE 286 AND OCEAN BOULEVARD,
TO THE SOUTH, ARE ADVISED TO EVACUATE THE AREA.

ADDITIONAL SHELTERING FACILITIES HAVE BEEN OPENED AT THE CITY OF NASHUA PUBLIC WORKS AND HIGHWAYS BUILDING, RIVERSIDE DRIVE, NASHUA, NEW HAMPSHIRE.

REPEAT: PERSONS RESIDING, WORKING, OR VISITING BEACH AREAS IN THE TOWNS OF HAMPTON AND SEABROOK FROM NORTH SHORE ROAD AND OCEAN BOULEVARD, TO THE NORTH, AND ROUTE 286 AND OCEAN BOULEVARD, TO THE SOUTH, ARE ADVISED TO EVACUATE THE AREA.

FOR PERSONS FROM THESE AREAS WHO REQUIRE ASSISTANCE OR TEMPORARY SHELTER, RECEPTION FACILITIES HAVE BEEN OPENED AT THE CITY OF NASHUA PUBLIC WORKS AND HIGHWAYS BUILDING, RIVERSIDE DRIVE, NASHUA, NEW HAMPSHIRE.

2. PERSONS RESIDING AND WORKING IN THE TOWNS OF SEABROOK, HAMPTON FALLS, AND HAMPTON ARE ADVISED TO REMAIN INDOORS, CLOSE DOORS AND WINDOWS, REDUCE VENTILATION, AND REMAIN TUNED TO THIS STATION FOR FURTHER INFORMATION AND INSTRUCTIONS.

- (13) Coordinate time for broadcast of the EBS message by WOKQ with siren activation. Advise local EOCs and Massachusetts EOC of EBS message and siren activation time.
- (14) Authorize activation of sirens in New Hampshire EPZ.
- (15) Provide EBS message to Media Center at Newington Town Hall.
- (16) Consider extending protective actions to other areas of the EPZ based on:
 - (a) Meteorological Conditions
 - (b) Radiological Assessment
 - (c) Local Conditions (Attachment C)
 - (d) Emergency Response Organization Status
 - (e) Plant Conditions

V. FIGURES

- A. FIGURE 1A, Protective Action Recommendation Worksheet
- B. FIGURE 1B, Special Facility Protective Action Worksheet
- C. FIGURE 2, Protective Action Recommendation By Town
- D. FIGURE 3, Evacuation Clear Times By Wind Direction
- E. FIGURE 4, Protective Action Recommendation Guidance Charts
- F. FIGURE 5, Special Facility Sheltering Factors

VI ATTACHMENTS

ATTACHMENT A, Plant System considerations for Early Protective Action
Decision Making

ATTACHMENT B, Access Control Points for New Haampshire EPE

ATTACHMENT C, Emergency Organization Status and Local Conditions

FIGURE 1A

Protective Action Recommendation Worksheet for General Population

1. Time of calculation (use 24 hour clock) _____ hours
2. Time of release start _____ hours
3. Release duration _____ hours
4. a. Wind speed _____ mph
- b. Wind direction from _____ degrees
5. Distance to reference location _____ miles
6. Affected subareas (use Items 4B and 5 and Figure 2) _____
7. Plume travel time (Item 5/Item 4a) _____ hours
8. Time until exposure (choose a or b)
 - a. If release has begun:
 - (1) Difference (Item 1 - Item 2) _____ hours
 - (2) Time [Item 7 - Item 8a(1)] _____ hours
 - b. If release will begin later:
 - (1) Difference (Item 2 - Item 1) _____ hours
 - (2) Time [Item 7 + Item 8b(1)] _____ hours
9. Evacuation Conditions
 - a. Season (circle one)
 - (1) Summer: May 15 - Sept 15
(see Protective Actions for Seasonal Populations)
 - (2) Winter: Sept 15 - May 15
 - b. Weather (circle one)
 - (1) Normal seasonal weather
(mild, light rain, light snow)
 - (2) Adverse
(Summer: heavy rain/fog - Winter: heavy snow/ice)
10. Evacuation Time _____ hours
(Use Items 6 and 9 and Figure 3, Evacuation Time Estimates to determine evacuation time.)

11. Exposure Time _____ hours
[Item 10 - Item 8a(2) or 8b(2)]
12. Evacuation Exposure Period _____ hours
(smaller of Item 3 or Item 11)
13. Projected Whole Body Dose _____ R
14. Monitoring Team Whole Body Dose Rate _____ R/hr
15. Monitoring Team Whole Body Dose _____ R
16. Most Reliable Whole Body Dose _____ R
(Item 13 or Item 15)
17. Monitoring Team Thyroid Dose Rate _____ R/hr
18. Monitoring Team Thyroid Dose _____ R
(Item 17 x Item 3)
19. Whole Body Evacuation Dose _____ R
(Item 12 x Item 16/Item 3)
20. Thyroid Evacuation Dose _____ R
(Item 12 x Item 16/Item 3)
21. Whole Body Shelter Dose _____ R
(Item 16 x 0.9)
22. Thyroid Shelter Dose (choose a or b)
- a. For release duration if less than 1 hour _____ R
(Item 18 x 0.5)
- b. For release duration of greater than 1 hour _____ R
(Item 18 x $[1 - \frac{0.5}{\text{Item 3}}]$)
23. Whole Body Indicated Action - refer to Figure 4 _____
(indicate no action, shelter, or evacuation)
24. Thyroid indicated action - refer to Figure 4 _____
(indicate no action, shelter, or evacuation)
25. Recommended Protective Action _____
(Record more severe action from Item 23 or Item 24 on Figure 2)

FIGURE 13

Special Facility Protective Action Worksheet

1. Affected Towns _____

Facility	Whole Body	Shelter Factor	3x4	Protective Action
	Dose		Shelter Dose	

Steps

1. Obtain affected towns from Figure 2.
2. Determine facilities in affected towns from Figure 3.
3. Obtain whole body dose from Item 16 Figure 1A.
4. Obtain Shelter factor from Figure 3.
5. Multiply wholebody dose (3) times shelter factor (4).
6. Determine protective action from Figure 4.

FIGURE 1

PROTECTIVE ACTION RECOMMENDATIONS BY TOWN

<u>DISTANCE</u>	<u>WIND DIRECTION</u> (FROM)	<u>TOWNS</u>	<u>SHELTER</u>	<u>EVACUATE</u>
0-2 Miles	All	SEABROOK, NH HAMPTON, NH HAMPTON FALLS	()	()
2-5 Miles	ENE, E, ESE, SE	KENSINGTON, NH SOUTH HAMPTON, NH	()	()
	SSE, S, SSW, SW	NORTH HAMPTON, NH	()	()
5-10 Miles	ENE, E, ESE, SE, SSE	BRENTWOOD, NH EAST KINGSTON, NH EXETER, NH KINGSTON, NH NEWFIELDS, NH NEWTON, NH STRATHAM, NH	()	()
	SSE, S, SSW	GREENLAND, NH NEW CASTLE, NH PORTSMOUTH, NH RYE, NH	()	()

TOTAL EVACUATION CLEAR TIMES (INCLUDING NOTIFICATION) BY WIND DIRECTION

Notes: (1) For winter adverse weather conditions (heavy snow) add 2.5 hours.
(2) For summer adverse weather conditions (heavy rain and fog) add 2.0 hours.

PROTECTIVE ACTION RECOMMENDATION GUIDANCE CHARTS

WHOLE BODY GUIDANCE CHART

IF	THEN
Projected dose (Item 16) is less than 1 rem	No action
Shelter dose (Item 21) is less than 5 rem	Shelter
Shelter dose (Item 21) is equal to or greater than 5 rem and evacuation dose (Item 19) is equal to or greater than shelter dose	Shelter
Shelter dose (Item 21) is equal to or greater than 5 rem and evacuation dose (Item 19) is less than shelter dose	Evacuate

THYROID GUIDANCE CHART

Dose (Item 18) is less than 5 rem	No action
Shelter dose (Item 22) is less than 25 rem	Shelter
Shelter dose (Item 22) is equal to or greater than 25 rem and evacuation dose (Item 20) is equal to or greater than shelter dose	Shelter
Shelter dose (Item 22) is equal to or greater than 25 rem and evacuation dose (Item 20) is less than shelter dose	Evacuate

Shelter is to be with ventilation control. Ventilation control means turning off air conditioners or fans, closing doors and windows, thus preventing access of outside air. Proceed to a basement if available.

FIGURE 5

SPECIAL FACILITY SHELTERING FACTORS

Facility	Distance from Seabrook Station	Construction Characteristics	Sheltering Factor (SF)	Outside Projected Whole Body Dose To Warrant Evacuation
<u>Brentwood</u>				
Rockingham County Nursing Home				
0 Blaisdell Bldg.	12-13 mi.	Brick Faced, Concrete Frame & Roof	.3	16 rem
0 Fernand Bldg.	12-13 mi.	Brick Faced, Concrete Frame & Roof	.3	16 rem
0 Mitchell Bldg.	12-13 mi.	Brick Faced, Concrete Frame & Wood Roof	.4	12 rem
0 Underhill Bldg.	12-13 mi.	Brick Faced, Wood Frame & Roof	.5	10 rem
Rockingham County Jail	12-13 mi.		.1	50 rem
<u>Exeter</u>				
Exeter Hospital				
East Wing	6-7 mi.	Brick Faced, Concrete Fram	.3	16 rem
West Wing	6-7 mi.	Brick Faced, Poured Concrete - 12"	.1	50 rem
Exeter Health Care	6-7 mi.	Brick Faced, Wood Frame	.5	10 rem
Eventide of Exeter	6-7 mi.	Brick Faced, Steel Frame	.4	12 rem
Goodwins of Exeter	6-7 mi.	Brick Faced, Wood Frame	.5	10 rem
<u>Portsmouth</u>				
Portsmouth Hospital				
0 Administration Bldg.	11-12 mi.	Brick Faced, Steel Frame, Masonry Walls Wood Roof	.3	16 rem
0 Seybolt Bldg.	11-12 mi.	Brick Faced, Steel Frame, Masonry Walls Wood Roof	.3	16 rem
0 Main Bldg.	11-12 mi.	Brick Faced, concrete Frame & Roof	.2	25 rem
Edgewood Manor	11-12 mi.	Brick Faced, wood Frame	.5	10 rem
Wentworth Home	11-12 mi.	Brick Faced, Wood Frame	.5	10 rem
Clipper Home	11-12 mi.	Brick Faced, Partial Concrete Frame, Partial wood Frame	.4	12 rem
Home for Aged Women	11-12 mi.	Brick Faced, Poured Concrete	.1	50 rem

PLANT SYSTEM CONSIDERATIONS FOR EARLY PROTECTIVE ACTION DECISIONMAKING

When considering early protective actions, particularly for seasonal populations, primary concerns are plant conditions and prognosis rather than projected or measured radiological consequences. Particular attention on the part of the decisionmakers should, therefore, be directed to the following pertinent plant systems and conditions:

A. Reactor Coolant System

1. What is reactor vessel level? Is reactor cooling adequate?
2. What is reactor core exit cooling temperature. Is reactor cooling effective?
3. What is reactor coolant pressure? Are pressures increasing or decreasing beyond normal operational pressures?
4. Confirm whether reactor has been shut down.

B. Turbine Generator System

1. What are Steam Line Monitor readings?
2. Do readings indicate primary system to secondary system leakage with radiactivity?

C. Electric Power Systems

1. Are emergency buses - buses E-5 and E-6 - powered?
2. Are the buses powered by off-site power source or by on-site diesel generator source?

D. Radiation Data management System

1. What are readings on Wide Range Gas Monitors on the Primary Vent Stack that would indicate release rates from containment?
2. What are readings on Main Steamline Monitors that would indicate significant levels of activity in the secondary system?
3. What are In-Containment post-LOCA Monitor readings that would indicate increase of activity inside the containment structure?

E. Engineered Safety Features

1. Status of containment integrity? Is containment isolated?
2. Activation of Emergency Core Cooling System? Is there safety injection?
3. Status of containment air pressure? Is pressure inside containment increasing, decreasing, or steady?
4. If pressure inside containment is a concern, what is status of Containment Spray System? Is it available?

F. Meteorological Measurements System

1. Wind Speed?
2. Wind Direction?
3. Precipitation?
4. Atmospheric Stability Class? Affect that stability class would have on plume dispersion?

NOTE ON ATMOSPHERIC STABILITY CLASS:

The meteorological measurement system will provide atmospheric data leading to classification of atmospheric conditions ranging from relative turbulence to relative stability. Atmospheric Stability Classes are:

- A - extremely unstable
- B - moderately unstable
- C - slightly unstable
- D - neutral
- E - slightly stable
- F - moderately stable
- G - very stable

Access Control Points for New Hampshire EPC

A. 2-Mile Radius:

1. Route 1A at Atlantic Avenue
2. Woodland Road at Atlantic Avenue
3. Mill Road at Cedar Road
4. Lafayette Road at Route 151 (South Road)
5. I-95 at Hampton Toll Gate
6. Route 51 at Exeter Road Interchange
7. Hampton Road at Ashbroom Road
8. Route 88 at Ashbroom Road
9. Drinkwater Road at Pasture Road
10. Kensington Road (Route 84) at Amesbury Road
11. Route 107 at Amesbury Road (Route 150)

B. Additional Points for Controlling Access:

1. Hampton Beach and Seabrook Beach for period May 15 through Sept 15:
 - (1) I-95 and Route 51
 - (2) Route 51 and Route 1
 - (3) I-95 and Route 107
 - (4) Route 107 and Route 1

1. 10-mile Radius:

1. State Street Bridge, Fitchburg
2. Route 1 Bridge
3. Route I-95 Bridge
4. Route 4 & 16 at Exit 4N at Newington (Reverse Direction)
5. Route 108 immediately South of Route 152
6. Route 87 immediately East of Route 125
7. Intersection of Route 101 and 125 for 101 East and 125 South
8. Route 107 immediately East of Route 111A
9. Route 111 immediately East of Route 107
10. Route 125 immediately North of Route 121A
11. Route 108 immediately North of the Massachusetts State border

Emergency Organization Status and Local Conditions

A. Response Status of the State and Town Emergency Organizations

1. The protective action decision must take into consideration the status of state and town emergency personnel and resources and the timing of the protective action announcements to the public.
2. Of particular importance to precautionary actions for the beach areas is the status of the State Police and local police to implement traffic and access controls.
3. Status considerations include:
 - a. Availability of personnel
 - b. Time required for mobilization
 - c. Degree to which mobilization has progressed
 - d. Time required for implementation of emergency actions

B. Local Conditions

1. Local conditions within an affected area may constrain protective action decisions and their implementation.
2. Local conditions should be reported to decision makers by local EOC personnel through the IFO at Newington.
3. Pertinent local conditions include:
 - a. Conditions of road and evacuation routes considering:
 - (1) Seasonal travel impediments
 - (2) Status of road repairs
 - (3) Surface conditions due to weather
 - (4) Natural or man-made impediments
 - (5) Affect of traffic signals on traffic flow in direction of evacuation

- b. Population density and distribution
- c. Evacuation route capabilities
- d. Inclement weather conditions that would affect travel (snow, fog, heavy rains, etc.)
- e. Local events which may present requirements for special notification, traffic control, transportation assistance
- f. Status of schools and other special facilities

APPENDIX G

COORDINATION OF PUBLIC ALERT/NOTIFICATION SYSTEM

COORDINATION OF PUBLIC ALERT/NOTIFICATION SYSTEM

I. PREREQUISITE

Actions taken according to this procedure require declaration and verification of ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY. At SITE AREA EMERGENCY or GENERAL EMERGENCY, activation of the Emergency Radio Broadcast System must be coordinated with siren activation.

II. ACTIONS

NOTE TIME

A. UNUSUAL EVENT - no action

B. ALERT

1. Direct EOC Communications Officer to place ERBS Gateway Station on standby, by call to WOKQ at 463-7000 or by initiation of ALERT code to WOKQ. _____
2. Direct EOC Media Liaison to prepare or designate preformatted ERBS messages for potential release. _____
3. Direct IFO Coordinator (on arrival at EOF/IFO) to ensure Rockingham County Dispatch Center Supervisor has reviewed and understands Public Alert System siren activation procedure. _____
4. Direct IFO coordinator to ensure each local EOF Official responsible for siren activation has reviewed and understands Public Alert System siren activation procedure. _____

C. SITE AREA EMERGENCY

NOTE TIME

1. Direct EOC Communications Officer to place ERBS Gateway Station on standby for imminent broadcast of emergency message by call to WCKQ at 463-7000 or by initiation of imminent broadcast code to WCKQ. _____
2. Direct EOC Media Liaison to prepare or designate appropriate ERBS messages for SITE AREA EMERGENCY. _____
3. After consultation with Director, NHODA, ascertain appropriate message and specify time for siren activation and ERBS broadcast. Time for activation: _____. _____
4. Direct EOC Media Liaison to initiate call to media representative at Massachusetts State EOC, telephone number (617)-____-____, and to advise of:
 - a. Message content (hardcopy).
 - b. Time of broadcast: _____.
time
 - c. Time of siren activation: _____.
time

NOTE: Director, NHODA may decide to coordinate this action directly with the Director, MCDA, utility EOC personnel, and IFO personnel via the NAS. The Director, NHODA should therefore be apprised of this action.

5. Direct EOC Media Liaison to provide hard copy and message to Media Center (Tel. # ____ - ____)
representative at Newington Town Hall. _____

6. Inform IFO Coordinator of:

NOTE TIME

a. Emergency message content (teletype
hard copy).

b. Specified time of siren
activation _____.
time

c. Specified time for message
broadcast _____.
time

7. Direct IFO Coordinator to inform Town EOC's of:

a. Message content.

b. Time to activate sirens _____.
time

8. Direct IFO Coordinator to authorize activation of
sirens.

9. Direct EOC Communications Officer to initiate
broadcast of emergency message through the Gateway
Station.

10. Confirm that sirens activated at _____.

11. Monitor ERBS system to ensure that messages are
correctly broadcast.

12. When emergency is terminated, direct EOC
Communications Officer to initiate broadcast of
"All Clear" message and to issue instructions for
closing out emergency broadcasts.

2. GENERAL EMERGENCY

NOTE TIME

1. After consultation with Director, NHCOA, ascertain appropriate General Emergency Notification Message for broadcast. Message # ____.
2. Direct IFO Coordinator to authorize activation of sirens.
3. Direct EOC Communications Officer to initiate broadcast of General Emergency Notification Message # ____.
4. Confirm from IFO Coordinator that sirens have been activated within 15 minutes of declaration of General Emergency.
5. Confirm from EOC Communications Officer that ERBS message broadcast has been initiated within 15 minutes of declaration of General Emergency.
6. Confirm from IFO Coordinator that special notifications have been initiated from the EOC and from the Town EOC's.
7. Direct EOC Media Liaison to provide hard copy message to Media Center representative at Newington Town Hall.
8. IF FURTHER PROTECTIVE ACTION RECOMMENDATIONS ARE MADE:
 - a. Direct EOC Media Liaison to prepare or designate appropriate ERBS message # ____.

- b. After consultation with Director, NHODA, as certain appropriate message for broadcast and specify time for siren activation and for ERBS broadcast message # ____.

- c. Direct EOC Media Liaison to initiate call to media representative at Massachusetts State EOC, Tel.# (617)-____-____, and to advise:

(1) Message content (teletype hard copy)

(2) Time of broadcast ____.

(3) Time of siren activation ____.

NOTE: Director NHODA may decide to coordinate this action directly with the Director, MCOA, utility EOC personnel, and IFO personnel via NAS. The Director, NHODA should therefore be apprised of this action.

- d. Direct EOC Media Liaison to provide hard copy message to Media Center representative at Newington Town Hall. (Tel.# ____-____)

- e. Inform IFO Coordinator of:

(1) Emergency message content (hard copy)

(2) Specified time for siren activation ____.

(3) Specified time for message broadcast ____.

f. Direct IFO Coordinator to inform Town EOC's of: NOTE TIME

(1) Message content

(2) Time to activate sirens _____.

g. Direct IFO Coordinator to authorize activation of sirens. _____

h. Direct EOC Communications Officer to initiate broadcast of emergency message. _____

i. Confirm that sirens activated at _____.

j. Monitor ERBS system to ensure that messages are correctly broadcast.

9. When emergency is terminated, direct EOC Communications Officer to initiate broadcast of "All Clear" message and to issue instructions for closing out emergency broadcasts. _____

III. RELATED PROCEDURES

1. EOC Communications Officer's Procedure for initiation of Emergency Radio Broadcast System Messages.
2. Public Alert Siren Activation Procedure.
3. Appendix D to State Police Communications Center Procedure.

VI. ATTACHMENTS

- A. Sample ERBS Messages.

SEABROOK STATION

UNUSUAL EVENT

This is (name/title) of the New Hampshire Civil Defense Agency. There has been an incident at the Seabrook Station Nuclear Power Plant at (time). This incident has been classified as an UNUSUAL EVENT. An UNUSUAL EVENT presents no threat to public health or safety. New Hampshire officials are in constant contact with the power plant. Stay tuned to this radio station for further information.

I repeat: An UNUSUAL EVENT has been declared at the Seabrook Station Nuclear Power Plant. There is no threat to public health or safety at this time. New Hampshire officials are monitoring the situation. Details will be provided in the next regularly scheduled news broadcast.

SEABROOK STATION

ALERT

This is (name/title) of the New Hampshire Civil Defense Agency. There has been an incident at the Seabrook Station Nuclear Power Plant at (time). The incident has been classified as an ALERT. An ALERT presents no threat to public health and safety. Any release of radioactive material will be well below State and Federal guidelines. No action is required by the general public at this time.

The purpose of declaring an ALERT is to assure that emergency workers are available to respond if the situation becomes more serious. New Hampshire Public Health Officials are at the plant at this time. The State Emergency Operations Center in Concord is fully staffed, and local officials have been placed on standby.

The audible alerting system for the Seabrook Station Nuclear Power Plant, which includes sirens, tone alert radios and Emergency Broadcast Station announcements will be activated if there is any deterioration of plant safety.

I repeat: An ALERT has been declared at Seabrook Station Nuclear Power Plant. The events in progress present no threat to public health or safety. You need take no protective or precautionary measures. A full report on the incident will be provided in regularly scheduled news broadcasts shortly.

SEABROOK STATION

SITE AREA EMERGENCY

This is (name/title) of the New Hampshire Civil Defense Agency. There has been an incident at the Seabrook Station Nuclear Power Plant in Seabrook, New Hampshire. The incident has been classified as a SITE AREA EMERGENCY. A SITE AREA EMERGENCY is declared to indicate actual or potential failure of some plant safety systems. Any radioactive releases from the plant, however, are not expected to present a health or safety hazard beyond the plant site boundaries.

New Hampshire Public Health Officials have been sent to the plant to assess the severity of the accident. Their investigations will include field monitoring of levels of radioactivity in the nearby towns. State and local emergency workers are also being assembled to implement any necessary emergency response activities. Residents of Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham are advised to stay tuned to the Emergency Broadcast System stations for instructions.

While there appears to be no current health hazard associated with this SITE AREA EMERGENCY, staying indoors is a precautionary measure that will shelter you from any short-term radioactive releases.

Public officials have instructions for protecting the children or other persons in their care. Please refrain from all unnecessary use of communications systems. Unnecessary communications will impede emergency workers from undertaking their assignments. Your use of telephones for unnecessary calls may tie up circuits needed by others for emergencies.

We repeat: A SITE AREA EMERGENCY has been declared at the Seabrook Station Nuclear Power Plant. Residents of Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham are advised to stay tuned to Emergency Broadcast System stations for instructions. This advisory will be repeated frequently until more details of the incident are available. Further instructions will be provided over this station shortly.

SEABROOK STATION

GENERAL EMERGENCY

This is Governor John Sununu. There has been an accident at the Seabrook Station Nuclear Power Plant site in Seabrook, New Hampshire. The accident has been classified as a GENERAL EMERGENCY. Events are in progress which involve actual or probable releases of radioactive materials from the plant. New Hampshire officials are in constant communication with the staff of the power plant. The severity of the accident is being continuously investigated by Federal and State personnel, as well as by the utility's personnel. The ongoing investigations include assessment of the status of plant safety systems and field monitoring of levels of radioactivity in nearby towns. State and local emergency workers have been activated to implement any necessary emergency response activities. New Hampshire Public Health officials are currently reviewing the consequences of any potential release of radioactive materials, local weather conditions and other factors. With this information, they will prepare appropriate instructions for your protection. These instructions will be provided shortly on this and other Emergency Broadcast System stations.

This is (name/title) of the New Hampshire Civil Defense Agency. In the meantime, residents of Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham are advised to stay indoors and stay tuned to this radio station until specific town-by-town instructions are provided. Staying indoors is a precautionary measure that will shelter you from any short-term radioactive releases.

Please refrain from all unnecessary use of communications systems. Public officials have instructions for protecting the children or other persons in their care. Unnecessary communications will impede emergency workers from undertaking their assignments. Your use of telephones for unnecessary calls may tie up circuits needed by others for emergencies.

We repeat: A GENERAL EMERGENCY has been declared at the Seabrook Station Nuclear Power Plant. Residents of Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Pye, Seabrook, South Hampton and Stratham are advised to stay tuned to the Emergency Broadcast System for instructions. This advisory will be repeated frequently until more details on the event are available. Further instructions will be provided over this station shortly.

SEABROOK STATION

SHELTER IN PLACE

This is (name/title) of the New Hampshire Civil Defense Agency. There has been an accident at the Seabrook Station Nuclear Power Plant site in Seabrook, New Hampshire. The event has been classified as an (Emergency Classification Level).

Personnel from the New Hampshire Department of Public Health Services are at the plant site to provide continuing investigations of the severity of the accident. Their ongoing investigations include assessment of the status of plant safety systems, reviewing the consequences of existing and potential releases of radioactive material from the plant, review of local weather conditions and field monitoring of the levels of radioactivity in nearby towns.

The Department of Public Health Services staff has briefed the Governor on the status of the plant. Based on this briefing, Governor Sununu has ordered that protective actions be implemented for the towns of: (indicate: Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham).

Persons currently in: (indicate: Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham) are advised to SHELTER IN PLACE. Remain indoors at your current location. Remaining indoors will provide you with adequate protection from any radiation being released from the plant. To obtain increased protection from potential exposure to radiation, you should take the following protective actions:

1. Take shelter indoors. Shelter in your home, at your workplace or at any other location where you may stay for several hours.

2. Make sure all doors and windows are tightly closed.
3. If in your car, close all windows and vents as you proceed to your destination.
4. Turn off all fans, heating or air conditioning systems if they bring in outside air.
5. Take a radio with you and move to the basement if you have one; or, move to the room with fewest windows and doors.
6. Keep all members of your household indoors. Stay calm and tune to your local Emergency Broadcast System radio station.
7. Do not call local officials, Police, or Fire unless absolutely necessary.
8. If you must go outdoors, place a handkerchief or towel (folded several times) or a protective mask over your nose and mouth to filter the air you breathe. Limit the time you are outside.
9. The food and milk supplies in your home are safe for consumption. You will be advised on the safety of water supplies by public officials over EBS radio. Outside vegetable gardens may not be safe in the event of a chemical or radioactive accident. Do not eat from outside gardens until advised they are safe.
10. Remain indoors until advised by local or State officials that it is safe to go outside, or until further protective actions are recommended.

Transients and non-residents of the Towns of: (indicate: Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham) that are in these towns on non-essential business may either shelter in place, or leave the area taking routes to the north, west or south. Persons currently in vehicles in transit in these towns are advised to proceed promptly to their destinations and take shelter, or leave the area. Persons in automobiles should close all windows and vents while in transit.

Schools, hospitals or other institutions currently in operation are taking similar sheltering actions. Public officials have instructions for protecting the children or other persons in their care until sheltering is no longer necessary.

Please refrain from all unnecessary use of communications systems. Call public officials, relatives, neighbors or friends only as absolutely necessary for emergency purposes. Responding to unnecessary communications will keep emergency workers from undertaking higher priority emergency assignments. Your use of telephones for unnecessary calls may tie up circuits needed by others for emergency calls.

Further information and instructions will be provided to you over this and other Emergency Broadcast System stations as plant status changes. Please stay tuned.

We repeat: An Emergency Classification Level has been declared at the Seabrook Station Nuclear Power Plant. The Governor has ordered the implementation of protective actions. Persons in (indicate towns) are to SHELTER IN PLACE. Information and instructions will be updated or repeated over this and other Emergency Broadcast System stations regularly.

SEABROOK STATION

EVACUATION

This is (name/title) of the New Hampshire Civil Defense Agency. There has been an accident at the Seabrook Station Nuclear Power Plant site in Seabrook, New Hampshire. The event has been classified as an (Emergency Classification Level).

Personnel from the New Hampshire Department of Public Health Services are at the plant site to provide continuing investigations of the severity of the accident. Their ongoing investigations include assessment of the status of plant safety systems, reviewing the consequences of existing and potential releases of radioactive material from the plant, review of local weather conditions and field monitoring of the levels of radioactivity in nearby towns.

The Department of Public Health Services staff has briefed the Governor on the status of the plant. Based on this briefing, Governor Sununu has ordered that protective actions be implemented for the towns of: (indicate: Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham).

Persons currently in: (indicate: Brentwood, East Kingston, Exeter, Greenland, Hampton, Hampton Falls, Kensington, Kingston, New Castle, Newfields, Newton, North Hampton, Portsmouth, Rye, Seabrook, South Hampton and Stratham) are advised to EVACUATE.

The Division of Public Health Services has determined that there is sufficient time to implement an orderly evacuation well in advance of the arrival of any significant levels of radioactivity. Please make the following preparations before you evacuate:

1. Gather all members of your household together. (If during school hours: If you have children in school within the area being evacuated, do not try to pick them up at school. They are being transported by bus to the State Reception Center for your Town. Children transported there will be in the care of school officials until their parents arrive).
2. Pack only essential items. Be sure, however, to bring enough seasonal clothing for up to three days, any prescription medicines and prescriptions you need, personal items and infant supplies.
3. Turn off lights and appliances, and secure your home or office as if you were going on vacation.
4. Pets will not be allowed at the State Reception Center facilities. Leave pets indoors with about a three days' supply of food and water.
5. If you have livestock, leave them in best available shelters. Provide feed and water for three days.
6. Don't get on the road with a car in poor running condition or too little gas. Instead, try to carpool with a neighbor. If you need help, call your local Civil Defense office for assistance.
7. DON'T RUSH. Proceed in a calm, orderly fashion along designated evacuation routes to the reception center for your area.

For (Portsmouth) the State Reception Center is located in Rochester at Spaulding High School. Take Spaulding Turnpike north to Exit 13, north on Route 202 and left onto Route 16.

For (Greenland, New Castle and Rye) the State Reception Center is located in Dover at Dover High School. Take the Spaulding Turnpike north to Exit 7, south on Central Avenue and right on Alumni Drive.

For (Brentwood, East Kingston, Exeter, Kensington, Newfields and Stratham) the State Reception Center is located in Manchester at Memorial High School. Take 101 west to 93 south and then onto 293. Take Exit 1, make a right onto South Willow Street and right onto Weston Road.

For (Kensington and Newton) the State Reception Center is located in Salem at Salem High School. Take 495 south to 213 west and then take 93 north to Exit 2 onto Main Street. Or take 111 west to 28 south and make a left onto Main Street.

For (Hampton, Hampton Falls, North Hampton, Seabrook and South Hampton) the State Reception Center is located in Nashua at Elm Street Junior High School. Take 495 to Route 3, north to Exit 5 and right onto Lake Street.

Services provided at the Reception Centers include radiological monitoring, rendezvous with school children and/or other family members, message center, shelter assignment for those in need, and other services provided by the New Hampshire Division of Welfare. If you have made private arrangements for shelter and do not need any services provided at the Reception Center, you may choose to evacuate directly rather than stopping at the Reception Center.

We repeat: An (Emergency Classification Level) has been declared at the Seabrook Station Nuclear Power Plant. Governor Sununu has ordered the implementation of protective actions. Persons in (indicate towns) are to evacuate. Information and further instructions will be updated and provided over this and other Emergency Broadcast Stations regularly.

APPENDIX H

RERP MESSAGE FORMS AND OPERATIONS LOG

EMERGENCY OPERATIONS MESSAGE FORM

Message Class: ☐ Incoming ☐ Outgoing ☐ Internal ☐
 Originator Message Number: _____ Sequence Number: _____
 Precedence: Priority 1 ☐ Priority 2 ☐ Priority 3 ☐ Priority 4 ☐
 Day Hour Month Year

Date/Time: _____
 From: _____ To: _____
 Info To: _____ Reference: _____

Text

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Distribution

	Action	Info		Action	Info		Action	Info
Governor			Adj. General			F&G		
Director			Agriculture			PW&H		
Ops. Off.			Pupil Trans.			SP		
Ass.Ops.Off.			Welfare			WS&PC		
Liaison Off.			DPHS			ARC		
Comm. Off.			DRED			CAP		
Pub. Info.			EMS			RCDC		

DO NOT TRANSMIT

Message Prepared By: _____ Service/Staff: _____

OPERATOR USE ONLY

Message Sent/Received By: _____
 Radio ☐ Telephone ☐
 Teletype ☐ Messenger ☐

Message Sent To: _____ Message Received From: _____

Date/Time Group: _____ Date/Time Group: _____

Operator: _____ Operator: _____

FOR

Call Sign:

Page ____ of ____ Pages

(Name of Facility)

Emergency Operations Center ()

Incident Field Office ()

Beginning: _____
(Date and Time)

Ending: _____
(Date and Time)

[illegible]

INCIDENT FIELD OFFICE

MESSAGE FORM

Originator Msg. Number: _____

Date: _____

Time: _____

Control Log Number: _____

Date: _____

Time: _____

To: _____

From: _____

Message Class:

☐ Incoming:

☐ Internal:

☐ Outgoing

Action Class:

☐ Priority:

☐ Urgent:

☐ Informational:

☐ Routine:

Info To:

☐ Town _____ ☐ PW&H _____ ☐ Boating S _____ ☐ Status Boards

☐ Town _____ ☐ DRED _____ ☐ N.G. _____ ☐ Federal Agencies

☐ Town _____ ☐ CG _____ ☐ CAP _____ ☐ _____

☐ Town _____ ☐ F&G _____ ☐ _____ ☐ N.H.C.D.A. [Specify]

☐ Troop A _____ ☐ EMS _____ ☐ _____ ☐ _____

☐ Other _____

Text:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

COMMUNICATIONS

USE ONLY

Message Sent () By: Radio ()

Telephone () Messenger ()

Recvd () Teletype ()

Telefax ()

Message Sent To: _____

Received From: _____

Date/Time Group: _____

Date/Time Group: _____

Operator Name: _____

Operator Name: _____

4 Part Speed Letter 44-904

GrayLine SNAP-A-WAY FORM

Third Goldenrod Part is an EXTRA COPY. Retain yellow and goldenrod copies if you want to keep two copies. Send goldenrod copy if recipient wants a duplicate.

Speed Letter.

To _____

From _____

Subject _____

No. 9 & 10 FOLD

MESSAGE

Date _____

Signed _____

REPLY

No. 9 FOLD

No. 10 FOLD

Date _____

Signed _____

Wilson Jones Company
GRAYLINE FORM 44-904 4-PART
8-5824 PRINTED IN U.S.A.

RECIPIENT—RETAIN WHITE COPY, RETURN PINK COPY

100

SENDER—DETACH AND RETAIN YELLOW COPY. SEND WHITE AND PINK COPIES WITH CARBON INTACT
EXTRA COPY

APPENDIX I

TRANSPORTATION RESOURCES

SEABROOK EPZ BUS TRANSPORTATION

By Town

<u>Transportation Needs</u>			<u>Transportation Resources</u>		
<u>Town</u>	<u>Buses</u>	<u>Vans</u>	<u>Company</u>	<u>Buses</u>	<u>Vans</u>
Brentwood	14		Berry	1	
			Jan Car	13	
East Kingston	4		Timberlane (Salem)	4	
Exeter	144		Manchester Transit Authority	82	
			Jan Car	82	
Greenland	9	1	City of Dover	9	1
Hampton	75		Berry	40	
			Timberlane (Salem)	35	
Hampton Falls	6	4	Berry	6	4
Kensington	6		Timberlane (Plaistow)	6	
Kingston	24	3	Timberlane (Kingston)	6	
			Jan Car	18	3
New Castle	4	1	Jan Car	4	
Newfields	4	6	Carry Van (Durham)	4	
Newton	16	6	Timberlane(Kingston)	6	
			Jan Car	18	3
North Hampton	11	4	Berry	11	4
Portsmouth	226	6	Timberlane (Portsmouth)	31	
			Town of Durham	20	
			Somersworth	15	
			Watson	50	
			Warburton	4	
			City of Dover	13	
			Jan Car	93	6
Rye	18		Berry	5	
			Dineen	13	
Seabrook	28	2	Berry	5	
			Timberlane (Plaistow)	23	2
South Hampton	4		Timberlane (Plaistow)	4	
Stratham	10	7	Berry	2	
			Welch	8	
			Jan Car	7	

0045J

SEABROOK EPZ BUS TRANSPORTATION

By Transportation Company			
<u>Company</u>	<u>Town</u>	<u>Buses</u>	<u>Vans</u>
Berr,	Brentwood	1	
	Hampton	40	
	Hampton Falls	6	4
	North Hampton	11	4
	Rye	9	
	Seabrook	5	
	Stratham	2	
		<u>74</u>	<u>8</u>
Carry Van (Durham)	New Fields	4	
		<u>4</u>	
Dineen	Rye	13	
		<u>13</u>	
Dover, City of	Greenland	9	1
	Portsmouth	13	
		<u>22</u>	<u>1</u>
Durham, City of	Portsmouth	20	
		<u>20</u>	
Jan Car	Brentwood	13	
	Exeter	62	
	Kingston	18	3
	New Castle	4	1
	Newton	18	3
	Portsmouth	93	6
	Stratham		7
		<u>208</u>	<u>20</u>
Manchester Transit Authority	Exeter	82	
		<u>82</u>	
Somersworth	Portsmouth	15	
		<u>15</u>	
Timberlane Kingston	Kingston	6	
	Newton	6	
		<u>12</u>	
Timberlane (Plaistow)	Kensington	6	
	Seabrook	23	2
	South Hampton	4	
		<u>33</u>	<u>2</u>

<u>Company</u>	<u>Town</u>	<u>Buses</u>	<u>Vans</u>
Timberlane (Portsmouth)	Portsmouth	$\frac{31}{31}$	
Timberlane (Salem)	East Kingston Hampton	$\frac{4}{35}$ $\frac{39}{39}$	
Warburton	Portsmouth	$\frac{4}{4}$	
Watson	Portsmouth	$\frac{50}{50}$	
Welch	Stratham	$\frac{8}{8}$	
		$\frac{615}{615}$	$\frac{31}{31}$

AREA AMBULANCE SERVICES

ANTRIM:

Antrim Fire Department
Rescue Ambulance
Main Street
Antrim, NH 03440
Tel: 588-6770 (Business)
352-1100 (Emergency)

DURHAM:

Durham Ambulance Corps
P. O. Box 4
Durham, NH 03824
Tel: 862-1426 (Business)
862-1212 (Emergency)

EFFINGHAM:

Effingham Rescue Unit Inc.
P. O. Box 62
South Effingham, NH 03882
Tel: 539-7745 (Business)
539-2261 (Emergency)

BRENTWOOD:

Brentwood Volunteer Rescue
RFD #1, Dalton Road
Exeter, NH 03853
Tel: 642-8379 (Business)
642-5452 (Emergency)

EXETER:

Exeter Fire Department
Ambulance Service
30 Court Street
Exeter, NH 03853
Tel: 772-4348 (Business)
772-4347 (Emergency)

CLAREMONT:

Golden Cross Ambulance Service
99 Washington Street
Claremont, NH 03743
Tel: 542-6660 (Business)
542-2244 (Emergency)

EXETER:

E.M.T. Ambulance Service
148 Portsmouth Avenue
Exeter, NH 03833
Tel: 772-6633 (Business)
772-5912 (Emergency)

DANVILLE:

Southern New Hampshire
Emergency Medical Services
37 Long Pond Road, Box 329
Danville, NH 03819
Tel: 382-4635 (Business)
382-5583 (Emergency)

FARMINGTON:

Farmington Ambulance
Corps, Inc.
Glen Street
Farmington, NH 03835
Tel: 755-2201 (Business)
755-2231 (Emergency)

DERRY:

Ambulance Service
131 East Broadway
Derry, NH 03038
Tel: 434-1405 (Business)
432-2556 (Emergency)

DOVER:

Fire Department Fire and
Rescue Service
9-11 Broadway
Dover, NH 03820
Tel: 742-1734 (Business)
742-1733 (Emergency)

GREENVILLE:

The Souhegan Valley
Ambulance Service, Inc.
P. O. Box 134
Greenville, NH 03048
Tel: 878-2303 (Business)
878-1611 (Emergency)

HAMPTON:

Hampton Fire Department
Ambulance Service
140 Winnacunnet Road
Hampton, NH 03842
Tel: 926-3316 (Business)
926-3315 (Emergency)

HANOVER:

Upper Valley Regional
Emergency Medical
Care Service
Hanover Fire Department
Lyme Road
Hanover, NH 03755
Tel: 643-3424 (Business)
643-2222 (Emergency)

JAFFREY:

V.F.W. Ambulance Service
Forest Park
Jaffrey, NH 03452
Tel: 532-7162 (Business)
532-7162 (Emergency)

KEENE:

Keene Area Municipal
Ambulance Service
32 Vernon Street
Keene, NH 03431
Tel: 352-2191 (Business)
352-0341 (Emergency)

R. J. DiLuzio Ambulance
Service
49 Court Street
P. O. Box 693
Keene, NH 03431
Tel: 352-0341 (Business)
352-0341 (Emergency)

KINGSTON:

Kingston Fire Department
Ambulance Service
Main Street
Kingston, NH 03848
Tel: 642-3626 (Business)
642-5512 (Emergency)

MARLBOROUGH:

Marl-Harris First Aid &
Emergency Squad, Inc.
Box 86
Marlborough, NH 03455
Tel: 876-3378 (Business)
352-1100 (Emergency)

MARLOW:

Mr. Ralph Palmer,
President
Marlow Ambulance and
Rescue Squad
Marlow, NJ 03456
Tel: 446-7511 (Business)
352-1100 (Emergency)

NEWINGTON:

Newington Fire Department
Fox Point Road
Newington, NH 03301
Tel: 436-9441 (Business)
436-5737 (Emergency)

NEWMARKET:

Newmarket Ambulance Corps
Gerry Avenue
Newmarket, NH 03857
Tel: 659-3950 (Business)
659-2022 (Emergency)

NEWPORT:

Newport Ambulance Service
15 Sunapee Street
Newport, NH 03773
Tel: 863-2355 (Business)
863-3232 (Emergency)

PETERBOROUGH:

Peterborough Fire Dept.
Ambulance Service
Summer Street
Peterborough, NH 03458
Tel: 924-3211 (Business)
352-1100 (Emergency)

PORTSMOUTH:

Portsmouth Fire Dept.
170 Court Street
Portsmouth, NH 03801
Tel: 436-1129 (Business)
436-1127 (Emergency)

RAYMOND:

Raymond Ambulance Assoc.
P. O. Box 132
Raymond, NH 03077
Tel: 895-4747 (Business)
895-3384 (Emergency)

RYE:

Rye Ambulance Corps, Inc.
P. O. Box 182
Rye, NH 03870
Tel: 964-5522 (Business)
964-8683 (Emergency)

SALEM:

Salem Fire Department
152 Main Street
Salem, NH 03079
Tel: 898-9774 (Business)
898-4311 (Emergency)

The New Hampshire
Jockey Club, Inc.
Rockingham Park
Salem, NH 03079
Tel: 898-2311 (Business)
898-2311 (Emergency)

SEABROOK:

Seabrook Fire Department
Collins Street
Seabrook NH 03874
Tel: 474-2611 (Business)
474-3434 (Emergency)

SOMERSWORTH:

Benoit Medical Service
438 High Street
Somersworth, NH 03878
Tel: 742-2118 (Business)
742-2111 (Emergency)

SWANZEY:

Swansey Rescue Squad
P. O. Box 118, South Road
East Swansey, NH 03446
Tel: 352-4983 (Business)
352-1100 (Emergency)

Swansey Ambulance
Service, Inc.
Box 157
West Swansey, NH 03469
Tel: 352-0069 (Business)
352-0069 (Emergency)

TROY:

Troy Emergency Ambulance
Service, Inc.
Box 675
Troy, NH 03465
Tel: 242-7915 (Business)
242-7915 (Emergency)

WALPOLE:

Walpole Volunteer
Ambulance Corps
Walpole, NH 03608
Tel: 352-1100 (Emergency)

Westmoreland Emergency
Service Corps
P. O. Box 983
Westmoreland, NH 03467
Tel: 399-4409 (Business)
399-4409 (Emergency)

WINCHESTER:

Winchester Ambulance Dept.
Winchester, NH 03470
Tel: 239-6335 (Business)
352-1100 (Emergency)

OUT-OF-STATE AMBULANCE SERVICES
LICENSED IN NEW HAMPSHIRE

MAINE:

Earle Ambulance Service
15 Dame Street
Kittery, ME 03904
Tel: (203) 439-1657 (Bus.)
(203) 439-1667 (Emer.)

South Berwick Emergency
Ambulance and Rescue
Goodwin Street
South Berwick, ME 30908
Tel: (203) 384-2300 (Bus.)
(203) 384-2222 (Emer.)

MASSACHUSETTS:

Shanahan Ambulance Service
101 Winter Street
Haverhill, MA 01830
Tel: (617) 372-1356 (Bus.)
(617) 372-8511 (Emer.)

American Ambulance and
Medical Rescue
Service, Inc.
111 Quebec Street
Lowell, MA 01852
Tel: (617) 454-7891 (Bus.)
(617) 454-7891 (Emer.)

Medic Ambulance Service
154 Mccody Street
Lowell, MA 01852
Tel: (617) 458-6321 (Bus.)
(617) 458-6321 (Emer.)

MASSACHUSETTS:

Peter F. Poor Ambulance
3 Railroad Street
Newburyport, MA 01950
Tel: (617) 465-8700 (Bus.)
(617) 462-4386 (Emer.)

VERMONT:

Ker Funeral Home, Inc.
8 Putney Road
Brattleboro, VT 05301
Tel: (802) 254-5655 (Bus.)
(802) 254-5655 (Emer.)

Rescue Inc.
249 Canal Street
Brattleboro, VT 05301
Tel: (802) 254-7679 (Bus.)
(802) 254-2010 (Emer.)

Windsor Ambulance Service
147 Main Street
Windsor, VT 05089
Tel: (207) 674-2113 (Bus.)
(207) 674-2112 (Emer.)

APPENDIX J

LOCAL STATUS REPORT FORM

REPORT
NUMBER _____

LOCAL STATUS REPORT FORM

Page 1 of 4 pages

Day _____ Date _____ Time _____

1. This is _____, Local Liaison Officer, NHCDA, at the New Hampshire IFO, Newington Station, New Hampshire. Telephone number here is _____.

2. As of _____ (time), Seabrook Station Nuclear Power Station declared:

a. Unusual Event _____	c. Site Area Emergency _____
Immediately terminated _____	
b. Alert _____	d. General Emergency _____

3. The incident involves:

4. At this time:

a. _____ there has been no release of radioactive materials.
 and the station foresees: _____ no possibility of a release.
 _____ a near term possibility of a release.
 _____ a long term possibility of a release.

b. _____ there has been a release of radioactive materials.

4. Prevailing winds at the station are from _____ degrees at _____ mph.
(N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW Sector)

LOCAL STATUS REPORT FORM
(continued)

5. The following is recommended:

- a. ☐ No protective action at this time.
- b. ☐ Public notification in:
- c. ☐ Access control for:
- d. ☐ The following protective actions:

NEW HAMPSHIRE			MASSACHUSETTS		
SHELTER	EVACUATE		EVACUATE	SHELTER	
☐	☐	Seabrook	☐	☐	Amesbury
☐	☐	Hampton Falls	☐	☐	Salisbury
☐	☐	Hampton	☐	☐	Merrimac
☐	☐	South Hampton	☐	☐	Newbury
☐	☐	North Hampton	☐	☐	Newburyport
☐	☐	Brentwood	☐	☐	W. Newbury
☐	☐	East Kingston			
☐	☐	Exeter			
☐	☐	Kingston			
☐	☐	Newfields			
☐	☐	Newton			
☐	☐	Startham			
☐	☐	Greenland			
☐	☐	New Castle			
☐	☐	Portsmouth			
☐	☐	Rye			

6. The State Emergency Operation Center in Concord is:

- a. ☐ Partially operational
- b. ☐ Fully operational

LOCAL STATUS REPORT FORM
(continued)

The following agencies:

HAVE BEEN NOTIFIED	ARE PRESENT		HAVE BEEN NOTIFIED	ARE PRESENT	
_____	_____	Governors Office	_____	_____	Public Welfare
_____	_____	Civil Defense	_____	_____	Red Cross
_____	_____	Public Health	_____	_____	Public Works
_____	_____	Agriculture	_____	_____	and Highways
_____	_____	Boating Safety	_____	_____	Pupil Trans.
_____	_____	Civil Air Patrol	_____	_____	Safety
_____	_____	DRED	_____	_____	Water Sup. &
_____	_____	Emer. Med. Svcs.	_____	_____	Poll. Cont.
_____	_____	Fish & Game	_____	_____	U.S. Coast
_____	_____	National Guard	_____	_____	Guard

7. The State Incident Field Office at Newington Station is:

- a. _____ Partially operational
b. _____ Fully operational

The following agencies:

HAVE BEEN NOTIFIED	ARE PRESENT		HAVE BEEN NOTIFIED	ARE PRESENT	
_____	_____	Civil Defense	_____	_____	Boating Safety
_____	_____	Public Health	_____	_____	State Police
_____	_____	Agriculture	_____	_____	Emergency
_____	_____	Coast Guard	_____	_____	Medical Serv.
_____	_____	Fish and Game			
_____	_____	National Guard			

8. The Utilities Emergency Operation Facility (EOF) is:

- a. _____ Not staffed at this time b. _____ Staffed at this time

9. The Media Center at Newington Town Hall is::

- a. ____ Providing no press briefing at this time
- b. ____ Providing a press briefing currently
- c. ____ Will provide a press briefing at ____

The last briefing was given at ____ at ____
(time) (location)

10. We request the following local status information::

- a. EOC particularly activated ____
- b. EOC fully activated ____
- c. Agencies present ____
- d. Primary contact person: _____
- e. Resource assistance requests (use local resource assistance request form).

APPENDIX K

LOCAL RESOURCE ASSISTANCE REQUEST FORM

LOCAL RESOURCE ASSISTANCE REQUEST FORM

This form is to be used to record resource requests from town emergency response organizations. When completed the form is to be forwarded to the IFO Controller for action.

A. Person taking request: _____

B. Town originating request:

_____ Seabrook	_____ Exeter
_____ Hampton Falls	_____ Hampton
_____ Kingston	_____ Newfields
_____ South Hampton	_____ Newton
_____ North Hampton	_____ Startham
_____ Brentwood	_____ Greenland
_____ East Kingston	_____ New Castle
_____ Portsmouth	_____ Rye

C. Town official making request:

1. Name: _____

2. Title: _____

D. Type of request:

1. Personnel:

a. Type: _____

b. Number: _____

c. Purpose: _____

d. Specific skills required: _____

2. Equipment or vehicles:

a. Type: _____

b. Numbers: _____

c. Purpose: _____

d. Specific features required: _____

LOCAL ASSISTANCE REQUEST FORM
(continued)

3. Dosimetry:

- a. Type: _____
- b. Number: _____
- c. Purpose: _____

4. Other:

- a. Type: _____
- b. Number: _____
- c. Purpose: _____

E. Receiving Point:

- 1. Location: _____
- 2. Contact Person: _____

F. Time required: _____

G. Action:

- 1. Request routed to: _____
- 2. Agency from which request made: _____
- 3. Contact: _____
- 4. Time of delivery: _____
- 5. Location of delivery: _____

DIVISION OF PUBLIC HEALTH SERVICES

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

Division of Public Health Services
 EMERGENCY RESPONSE PROCEDURES
 for the
 Seabrook Station Nuclear Power Plant

MANAGER, RADIOLOGICAL HEALTH PROGRAM

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the Manager, Radiological Health Program, in the event of an accident. These procedures describe actions to be taken according to each of four emergency classification levels (ECL) which are outlined in ascending order of severity.

The Manager, Radiological Health Program is responsible for receipt of first notification of emergency classification levels, confirming plant status, and notifying appropriate individuals in order to marshal the DPHS radiation emergency response organization.

		(24 HR)
	<u>STATUS*</u>	<u>TIME DONE</u> <u>INITIAL</u>
ECL #1	<u>UNUSUAL EVENT</u> and/or	
ECL #2	<u>ALERT</u> and/or	
ECL #3	<u>SITE AREA EMERGENCY</u> and/or	
ECL #4	<u>GENERAL EMERGENCY</u>	

1. Receive notification from State Police Communication Center that a(n) (UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY) has been declared at the Seabrook Station.

2. Call Seabrook Station to confirm emergency condition and assess need for State response. Call 1-603-000-0000 (control room). (Note that control room will provide only basic data for determining the need for protective action i.e. nature of (UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY) potential magnitude, nature and timing of any possible release and current met conditions. No extended discussion should be expected prior to activation of the EOF.)

3. Contact New Hampshire Civil Defense Agency (NHODA) (271-2231 or 1-800-852-3572) to brief them on plant status. During business hours contact the Director (See Appendix A). During

* + = DONE
 - = NOT DONE
 N = NOT APPLICABLE

ECL #1 UNUSUAL EVENT
 ECL #2 ALERT and/or
 ECL #3 SITE AREA EMERGENCY and/or
 ECL #4 GENERAL EMERGENCY

MGR RHP -2

	<u>STATUS*</u>	<u>(24 HR) TIME DONE</u>	<u>INITIAL</u>
off hours contact the NHCD Duty Officer by telephone or by pager via the State Police Communications center.	_____	_____	_____
4. Notify Director, DPHS and DPHS IFO Coordinator, of (UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY) status.	_____	_____	_____
5. Time permitting, review Radiological Health Program SOPs.	_____	_____	_____
6. Stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status from State Police.	_____	_____	_____
7. Schedule relief shift to maintain 24-hour coverage during emergency.	_____	_____	_____
8. Participate in re-entry and deactivation of emergency response as necessary.	_____	_____	_____

* + = DONE
 - = NOT DONE
 N = NOT APPLICABLE

Division of Public Health Services
 EMERGENCY RESPONSE PROCEDURES
 for the
 Seabrook Station Nuclear Power Plant
 DPHS DIRECTOR PROCEDURES

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the Director of DPHS (or alternate) in the event of an accident. These procedures describe actions to be taken according to each of four emergency classification levels (ECL) which are outlined in ascending order of severity.

The Director is responsible for total direction and control of DPHS and support organizations. Request for assistance to DPHS from non-DPHS sources is approved by the Director. The Director or his alternate has the following responsibilities which cannot be delegated to others: (1) providing Protective Action Recommendations to the NHCDA Director and Governor, (2) authorizing emergency workers to receive doses in excess of EPA's Protective Action Guides, (3) authorizing emergency workers to receive potassium iodide (See Appendix K), and (4) recommending re-entry to the NHCDA Director and Governor.

ECL #1	<u>UNUSUAL EVENT</u>	<u>STATUS*</u>	(24 HR)	<u>INITIAL</u>
			<u>TIME DONE</u>	
	1. Receive notification from DPHS Manager, Radiological Health Program (or alternate) that an UNUSUAL EVENT has been declared. Receive status report on plant conditions.	_____	_____	_____
	2. Standby for notification of (a) termination of emergency status, or (b) escalation of emergency status.	_____	_____	_____
	3. If appropriate place EOC and IFO staff on standby.	_____	_____	_____

* + = Done
 - = NOT DONE
 N = NOT APPLICABLE

1. Receive notification from DPHS Manager, Radiological Health Program (or alternate) that an ALERT has been declared. Receive status report on plant and conditions. Confirm that DPHS IFO/EOF Team will be dispatched. Confirm that DPHS EOC Staff will be dispatched. Establish ETA at EOC. Complete notification form. See Appendix H.

2. Report to the EOC. Check in with the NHCDA Liaison Officer on arrival.

3. Review staffing levels with EOC Radiological Health Technical Advisor, specifically:

(a) Ensure that DPHS IFO/EOF Team has departed.

(b) Ensure that at least three monitoring teams have been notified and are assembling and preparing for departure to the IFO/EOF. Confirm ETA if being dispatched at the ALERT level.

(c) Ensure that an aerial monitor has been notified (if appropriate) and is preparing for departure to EOC to establish contact with CAP liaison.

(d) Ensure that Accident Assessment Support is at the EOC, that EOC METPAC is operational, that the utility is providing data directly.

4. Receive briefing from Accident Assessment Support and assume responsibility for further discussions with NHCDA Director. Complete log entries. See Appendix I.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

STATUS* TIME DONE INITIAL

5. Report availability and consult with the NHCDA Director.

6. When the DPHS IFO Coordinator reports that the DPHS IFO/EOF Team is operational, receive any updated information, acknowledge turnover of accident assessment to the IFO/EOF, and verify communications channels and checks.

7. Receive briefings from the DPHS IFO Coordinator. Decide what further actions should be taken by DPHS, if any.

8. Update NHCDA Director/Operations Officer and Governor on DPHS activity and plant status as each message on changes in plant status is received from the DPHS IFO Coordinator or as information from the DPHS IFO Coordinator warrants. Use Governor's Summary Status Report (Accident Assessment Support will complete applicable sections) for briefings. See Appendix J.

9. Standby to receive additional information DPHS IFO Coordinator. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status. If situation escalates, continue with checklist. If emergency terminates, deactivate DPHS emergency response activities as appropriate.

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

1. Receive notification from Manager-Radiological Health Program or, if there is an escalation of an emergency, from the DPHS IFO Coordinator, that a SITE AREA EMERGENCY has been declared. Receive status report on plant conditions from the DPHS IFO Coordinator.

(In the event of a rapidly developing emergency, notification may be provided from the Manager-Radiological Health Program via phone if the EOC and IFO/EOF has not been activated and staffed. If a rapidly developing emergency, ensure that ALERT steps 1-8 are taken.)

2. If the notification is an escalation, ensure that DPHS EOC Staff are aware of change in status, and ensure that pre-requisite ALERT procedures have been implemented.

3. Review DPHS staffing levels with the Radiological Health Technical Advisor.

(a) If not already dispatched, ensure that at least three monitoring teams and one aerial monitor are enroute to the IFO/EOF. Confirm ETA.

(b) If dispatched at the ALERT level, receive verification of readiness of the monitoring teams and one aerial monitor at the IFO/EOF.

4. If the initial or follow-up notification messages include Protective Actions (PAs), or if Accident Assessment Support's analysis (when the EOC has the responsibility) or if the DPHS IFO Coordinator's analysis indicate Protective Actions are required:

(a) Consult with the EOC Radiological Health Technical Advisor, Accident Assessment Support, and DPHS IFO Coordinator to confirm basis for PA.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

(b) If time permits, consult with any NRC, FEMA and/or EPA accident assessment personnel that may be on hand at the EOC concerning the PA.

(c) Provide PA to the NHCDA Director. Together with NHCDA Director/Operations Officer prepare and present Governor's Summary Status Report. See Appendix J.

5. Participate in briefings, meetings and the drafting of press releases as deemed appropriate by NHCDA Director.

6. Update NHCDA Director/Operations Officer and Governor periodically on DPHS activity and plant status as each message on changes in plant status is received from the DPHS IFO Coordinator or as information from the DPHS IFO Coordinator warrants. Use Governor's Summary Status Report (Accident Assessment Support will complete applicable sections) for briefings. See Appendix J.

7. Standby to receive additional information DPHS IFO Coordinator.

8. Receive notification of termination of the emergencies status from DPHS IFO Coordinator. Deactivate DPHS emergency response activities as appropriate.

ECL #4 GENERAL EMERGENCY

1. Receive notification that a GENERAL EMERGENCY has been declared. In a rapidly developing emergency, ensure that ALERT steps 1-9 are taken. Follow all procedures in SITE AREA EMERGENCY.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

2. If the Governor orders evacuation of any portion of the plume exposure EPZ, perform the following:

- (a) Determine which Reception Centers are being opened from NHCDA Director. _____
- (b) Ensure that Decontamination Centers are opened by NHCDA as appropriate. It may not be necessary to have a Decontamination Center at each Reception Center. _____
- (c) Ensure NHCDA has requested that local monitoring personnel be deployed to the Decontamination Centers. _____
- (d) Ensure that DPHS Decontamination Center Supervisors have departed to the Decontamination Centers. Verify ETAs. _____

3. Notify DPHS IFO Coordinator of Governor's decisions. If appropriate, discuss additional actions/considerations requiring DPHS response (eg: aerial monitoring, additional monitoring teams). _____

4. As recommended by the DPHS IFO Coordinator and/or the EOC Radiological Health Technical Advisor, approve requests for additional assistance. Inform NHCDA of needed state assistance and of other requested assistance. Sources of assistance include:

- (a) New England Compact (via Accident Assessor at the IFO/EOF and includes EPA and FDA). _____
- (b) Portsmouth Naval Shipyard (via Accident Assessor at the IFO/EOF). _____
- (c) DOE Brookhaven (via DPHS Lab Supervisor). _____
- (d) Civil Air Patrol for Aerial Monitoring support (via NHCDA). _____
- (e) National Guard for Decontamination Center support (via NHCDA). _____

* + = DONE
 - = NOT DONE
 N = NOT APPLICABLE

5. When necessary, discuss with DPHS IFO Coordinator recommended measures to control ingestion pathway EPZ dose. Authorize execution of appropriate measures such as placing cows (and goats) on stored feed, using "packaged" water, etc.. Notify DPHS IFO Coordinator and NHCDA Director of decision and request from NHCDA Director necessary Department of Agriculture assistance.

6. When necessary, discuss with DPHS IFO Coordinator the potential need for emergency workers to take potassium iodide. Authorize emergency workers to take potassium iodide. Notify DPHS IFO Coordinator and NHCDA Director of decision and request NHCDA Director to inform the appropriate local EOCs of the decision.

7. Participate in briefings, meetings and the drafting of press releases as deemed appropriate by NHCDA Director.

8. Update NHCDA Director/Operations Officer and Governor periodically on DPHS activity and plant status as each message on changes in plant status is received from the DPHS IFO Coordinator or as information from the DPHS IFO Coordinator warrants. Use Governor's Summary Status Report (Accident Assessment Support will complete applicable sections) for briefings. See Appendix J.

9. Standby to receive additional information DPHS IFO Coordinator.

10. Receive notification of termination of the emergencies status from DPHS IFO Coordinator. Deactivate DPHS emergency response activities as appropriate.

11. Recommend post emergency re-entry and relaxing of radiation controls to the NHCDA Director/Operations Officer and Governor as conditions dictate, but after Seabrook Station and NRC has confirmed, directly and to the DPHS IFO Coordinator, no further uncontrolled releases are expected. Complete log entries.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

Division of Public Health Services

IFO RHTA -1

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

IFO/EOC Radiological Health Technical Advisor (RHTA)

This document provides checklist procedures to be followed by the IFO/EOC Radiological Health Technical Advisor (IFO/EOC RHTA) in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. They describe actions to be taken according to each four Emergency Classification Levels which are outlined in ascending order of severity.

The IFO/EOC RHTA is responsible for maintaining communication links with DPHS at the State EOC, overseeing radiation exposure control activities, maintain exposure records, coordination issues of exclusionary area passes, and coordinating authorization of deliberate exposures to emergency workers. The IFO/EOC RHTA reports to the DPHS IFO coordinator.

ECL #1	<u>UNUSUAL EVENT</u>	(24 HR)		
		<u>STATUS</u>	<u>TIME DONE</u>	<u>INITIAL</u>
	May be placed on standby by DPHS IFO Coordinator.			
ECL #2	<u>ALERT</u>			
	1. Receive notification from IFO Coordinator that an ALERT has been declared.	_____	_____	_____
	2. Report to the IFO/EOC at Newington Station, Newington New Hampshire.	_____	_____	_____
	3. Get briefing from utility personnel on plant status and conditions.	_____	_____	_____
	4. Establish and maintain telephone contact with EOC RHTA at the EOC in Concord, New Hampshire (Telephone number 271-2231)	_____	_____	_____
	5. Perform operational checks of secondary telephone and telecopier.	_____	_____	_____
	6. Maintain a log of events as they occur.	_____	_____	_____
	7. Stand by to receive additional information escalation or termination of emergency status.	_____	_____	_____

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

1. Receive notification from the IFO Coordinator that a SITE AREA EMERGENCY has been declared. (In the event of a rapidly developing emergency, notification may be provided from the New Hampshire State Police Communications Center if the EOC in Concord and/or IFO/EOF has not been staffed.) Ensure that ALERT steps 1-7 are taken.

2. Oversee issuance of dosimetry to Field Monitoring Teams and maintain exposure records. (See Appendix B).

3. Upon deescalation and recovery, oversee collection of dosimetry information (exposures, instruments monitoring records, etc.) for permanent records.

ECL #4 GENERAL EMERGENCY

1. Receive notification from the IFO Coordinator that a GENERAL EMERGENCY has been declared. (In the event of a rapidly developing emergency, notification may be provided from the New Hampshire State Police Communications Center if the EOC in Concord and/or IFO/EOF has not been staffed.) Ensure that ALERT steps 1-7 are taken.

2. Oversee issuance of dosimetry to Field Monitoring Teams and maintain exposure records. (See Appendix B).

3. Periodically evaluate emergency worker exposure and maintain exposure records.

4. Perform KI administration calculations as directed by IFO/EOF Coordinator. (See Appendix K). If use of KI is warranted and authorized, administer KI insurance. (See Appendix K).

5. Upon deescalation and recovery, oversee collection of dosimetry information (exposures, instruments monitoring records, etc.) for permanent records.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

Division of Public Health Services
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

EOC - RADIOLOGICAL HEALTH TECHNICAL ADVISOR (RHTA)

This document provides checklist procedures to be followed by the EOC Radiological Health Technical Advisor (RHTA) in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. They describe actions to be taken according to each four Emergency Classification Levels which are outlined in ascending order of severity.

The EOC RHTA is responsible for collecting technical information about plant status and dose protection, explaining the meaning and significance of the information, and advising on protective actions. He reports to the Director, Division of Public Health Services.

ECL #1	<u>UNUSUAL EVENT</u>	<u>STATUS</u>	(24 HR)	<u>INITIAL</u>
			<u>TIME DONE</u>	
	May be placed on standby by manager Radiological Health Program.	_____	_____	_____
ECL #2	<u>ALERT</u>			
	1. Receive notification from the Manager, Radiological Health Program, or alternate, that an ALERT has been declared. Receive status report on plant conditions.	_____	_____	_____
	2. Notify the EOC accident assessment Support; confirm ETA. (See Appendix <u>A</u> .)	_____	_____	_____
	3. Report to the EOC and inform Director, DPHS and NHCOA Liaison of arrival.	_____	_____	_____
	4. Receive briefing from NHCOA personnel in contact with the IFO/EOF on any changes in conditions.	_____	_____	_____
	5. Establish contact with the IFO/EOF Radiological Health Technical Advisor and/or IFO Coordinator to confirm and update information.	_____	_____	_____

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

ECL #2 ALERT

EOC RHTA -2
(24 HR)
STATUS* TIME DONE INITIAL

6. Provide technical assistance to Director,
DPHS. _____

7. Continue gathering, providing, and transmitting
information as requested by the Director, DPHS. _____

ECL #3 SITE AREA EMERGENCY

1. Receive notification from the DPMS
RHTA at the IFO/EOF that a SITE AREA EMERGENCY
has been declared and reasons for change
in classification. _____

2. Ensure that ALERT steps 1-7 are completed. _____

ECL #4 GENERAL EMERGENCY

1. Receive notification from the DPMS
RHTA at the IFO/EOF that a GENERAL EMERGENCY
has been declared. _____

2. Ensure that ALERT steps 1-7 are completed. _____

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

Division of Public Health Services
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant
DPHS IFO COORDINATOR

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the Director of DPHS (or alternate) in the event of an accident. These procedures describe actions to be taken according to each of four emergency classification levels (ECL) which are outlined in ascending order of severity.

The DPHS IFO Coordinator is in charge of DPHS operations in the IFO/EOF. The responsibility of the DPHS IFO Coordinator includes DPHS liaison with the utility, Massachusetts IFO/EOF Health Department Coordinator, FEMA, NCR, and NHCDA EOF Liaison. The DPHS IFO Coordinator reports and coordinates DPHS activities with NHCDA EOF Liaison and to DPHS Director in the state EOC. The DPHS IFO Coordinator is accountable to the DPHS Director and responsible for the conduct of the DPHS IFO/EOF Team that composed of the Accident Assessment Supervisor, the Monitoring Team/Decontamination Center Coordinator, the IFO/EOF RHTA, the IFO EMS Coordinator, the DPHS Field Monitoring Teams and the DPHS Decontamination Center Supervisors.

ECL #1	<u>UNUSUAL EVENT</u>	<u>STATUS</u>	(24 HR)	<u>INITIAL</u>
			<u>TIME DONE</u>	
	1. May be placed on standby by DPHS Manager Radiological Health Program.			
ECL #2	<u>ALERT</u>			
	1. Receive notification from DPHS Manager, Radiological Health Program (or alternate) to move the DPHS IFO/EOF Team to mobilize. Establish an ETA. (See Appendix A.)			
	2. Inform NHCDA EOF Liaison of arrival and establish approximate time of operational readiness.			
	3. From the IFO/EOF, inform EOC RHTA of arrival via NHCDA telephone link.			

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

4. Establish DPHS operations at the IFO/EOF:

(a) Determine that the DPHS IFO/EOF RHTA has established the telephone link with the EOC RHTA. _____

(b) Determine that the Accident Assessor has established the telephone link with the Accident Assessment Support at the EOC. _____

(c) If the DPHS Monitoring Teams have not been dispatched, determine that the Monitoring Team/Decontamination Center Coordinator has made contact with the Teams at the DPHS Labs and knows their status. If dispatched, receive their ETA or operational status from the Monitoring Team/Decontamination Center Coordinator. _____

5. Receive from Accident Assessor, Utility EOF Coordinator, and NHCDA EOF Liaison plant status report and any other pertinent information relative to the emergency. Complete log entries. _____

6. Notify the DPHS Director that the DPHS IFO/EOF Team is operational and assuming Accident Assessment responsibilities. Receive any information from the EOC and relay any available information to the DPHS Director. Agree on communications channels and checks. _____

7. Receive from the Accident Assessor, and the Utility EOF Coordinator, updates on plant status and any other pertinent information. Participate with all other EOF representatives (Mass Public Health Coordinator, FEMA, NRC, EPA) in discussion on appropriate Protective Action recommendations. _____

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

8. Relay Protective Action recommendations to the DPHS Director and provide any pertinent information.

9. Receive from the DPHS Director decisions on Protective Actions. Discuss DPHS response to decisions. Inform DPHS IFO Team and other EOF personnel of Governor's decisions.

10. Standby to receive additional information, participate in discussions with other EOF representatives, and to relay information and Protective Action recommendations to the DPHS Director.

11. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status. If the situation escalates, continue with checklist. If emergency terminates, deactivate DPHS IFO-EOF response upon notification of the DPHS Director to do so.

ECL #3 SITE AREA EMERGENCY

1. Receive notification from Utility EOF Coordinator (or, should this be the first ECL declared, from the Manager, Radiological Health Program) of declaration of SITE AREA EMERGENCY. Receive any other additional information and recommended Protective Actions.

2. Notify the DPHS Director of emergency status upgrading to SITE AREA EMERGENCY. Relay Protective Action recommendation.

3. Receive from the DPHS Director decisions on Protective Actions. Discuss DPHS response to decisions. Inform DPHS IFO Team and other EOF personnel of Governor's decisions.

4. When necessary, inform the DPHS Director of the need for additional assistance. Discuss alternatives and receive approval for the Accident Assessor to request assistance from the Compact or Portsmouth Naval Shipyard.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

ECL #3 SITE AREA EMERGENCY

IFO COORD -4

(24 HR)

STATUS* TIME DONE INITIAL

5. Participate in briefings and meetings with other EOF representatives and as necessary.

6. Update DPHS Director periodically on DPHS activity and plant status as each message on changes in plant status is received from the Accident Assessor and Utility EOF Coordinator.

7. Provide notification of termination of the emergency status to DPHS Director. Deactivate DPHS emergency response activities as appropriate and as authorized by the DPHS Director.

ECL #4 GENERAL EMERGENCY

1. Receive notification from Utility EOF Coordinator of declaration of a GENERAL EMERGENCY. Receive any other additional information and recommend Protective Actions. Complete log entries.

2. Notify the DPHS Director of GENERAL EMERGENCY status. Relay Protective Action recommendation. Provide any additional information.

3. Assure that Monitoring Teams are dispatched and operational.

4. If warranted and approved by the DPHS Director, activate Aerial Monitoring. Inform Monitoring Team/Decontamination Center Coordinator of the approval and request necessary assistance from NHCDA EOF Liaison.

5. When necessary, discuss with DPHS Director recommended measures to control ingestion pathway EPZ dose. Receive authorization for execution of appropriate measures, such as placing cows (and goats) on stored feed, using "packaged" water, etc. Notify NHCDA EOF Liaison of decision and request necessary Department of Agriculture assistance.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

6. When necessary, discuss with DPHS Director the potential need for emergency workers to incur doses in excess of EPA Protective Action Guides. Receive authorization for emergency workers to incur doses in excess of EPA Protective Action Guides. (See Appendix L) Notify NHCDA EOF Liaison of decision.

7. When necessary, discuss with DPHS Director the potential need for emergency workers to take potassium iodide. Receive authorization for emergency workers to take potassium iodide. Notify NHCDA EOF Liaison of decision.

8. Authorize issuance of Exclusion Area Passes prepared by the DPHS IFO/EOF RHTA.

9. Participate in briefings and meetings with other EOF representatives and as necessary.

10. Receive from the DPHS Director decisions on Protective Actions. Discuss DPHS response to decisions. Inform DPHS IFO Team and other EOF personnel of Governor's decisions.

11. Update DPHS Director periodically on DPHS activity and plant status as each message on changes in plant status is received from the Accident Assessor and Utility EOF Coordinator.

12. Follow steps 3-7 of SITE AREA EMERGENCY procedure.

13. Recommend post emergency re-entry and relaxing of radiation controls as requested by the Accident Assessor and Utility EOF Coordinator to the DPHS Director. Receive decision from the DPHS Director and relay the decision to DPHS IFO/EOF Team, Utility EOF Coordinator, NHCDA EOF Liaison.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

IFO/EOF ACCIDENT ASSESSOR

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the IFO/EOF Accident Assessor, in the event of an accident. These procedures describe actions to be taken according to each of four emergency classification levels (ECL) which are outlined in ascending order of severity.

The IFO/EOF Accident Assessor is responsible for assuring proper input to METPAC, performing atmospheric dispersion estimation and dose assessment if required, recommending placement of field monitoring teams, and determining requirement for administration of KI.

ECL #1	<u>UNUSUAL EVENT</u>	(24 HR)		
		<u>STATUS*</u>	<u>TIME DONE</u>	<u>INITIAL</u>
	1. May be placed on standby by DPHS IFO Coordinator.			
ECL #2	<u>ALERT</u>			
	1. Receive notification from IFO Coordinator that an ALERT has been declared at Seabrook Station Nuclear Power Plant.			
	2. Proceed to IFO/EOF to monitor emergency situation. Report availability to DPHS IFO Coordinator, if not present assume his/her duties also.			
	3. Establish communications with EOC through the Accident Assessment Support. Monitor plant status and available data.			
	4. Stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status. If situation escalates continue with checklist. If emergency terminates deactivate DPHS emergency response activities as appropriate.			

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

1. Receive notification that a SITE AREA EMERGENCY has been declared. (In a rapidly developing emergency, ensure that ALERT steps 1-3 are taken.)

2. Receive information concerning release of radioactive material whether actual or anticipated and meteorological data, present and forecast, from the Seabrook Plant IFO/EOF Coordinator.

3. Send these data to EOC AA support.

4. Perform atmospheric dispersion estimation and dose assessment using METPAC. (See Appendix N) Compare results with EOC AA support. NOTE: If METPAC is not available, use DAAADE (See Appendix O), DAAADE6 (See Appendix P), or modified Hamard/Bousquet-Clayeux (See Appendix Q).

5. As field data become available, use these data to verify dose projections.

6. Discuss protective action recommendation with IFO Coordinator.

7. Send field data to EOC AA support.

8. Use METPAC to obtain hypothetical projection based on scenario by DPHS IFO coordinator.

ECL #4 GENERAL EMERGENCY

1. Receive notification that a GENERAL EMERGENCY has been declared. In a rapidly developing emergency, ensure that ALERT steps 1-3 and SITE EMERGENCY steps 2-8 are implemented.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

Division of Public Health Services
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

EOC AA SUPPORT

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the EOC AA Support, in the event of an accident. These procedures describe actions to be taken according to each of four emergency classification levels (ECL) which are outlined in ascending order of severity.

The EOC AA Support is responsible for assuring proper input to METPAC, performing atmospheric dispersion estimation and dose assessment if required, recommending placement of field monitoring teams, and determining requirement for administration of KI.

(24 HR)
STATUS* TIME DONE INITIAL

ECL #1 UNUSUAL EVENT

May be placed on standby by manager
Radiological Health Program.

ECL #2 ALERT

1. Receive notification from EOC Radiological Health Technical Advisor or designate that an ALERT has been declared at Seabrook Station Nuclear Power Plant.

2. Proceed to State EOC to monitor emergency situation. Report availability to Director, of DPHS. If Director, DPHS is not present, assume also his/her duties.

3. Perform atmospheric dispersion estimation and dose assessment using METPAC. (See Appendix N) Compare results with EOC AA support. NOTE: If METPAC is not available, use DAAADE (See Appendix O), DAAADE6 (See Appendix P), or modified Hamard/Bousquet-Clayeux (See Appendix Q).

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

ECL #2 ALERT

AA SPT -2
(24 HR)
STATUS* TIME DONE INITIAL

4. Prior to activation of IFO/EOF, advise Director-Division of Public Health Services, and Director, Civil Defense Agency, of any need for protective actions.

5. Establish communications with controlroom, TSC, and/or IFO/EOF (as appropriate). Monitor plant status and available data.

6. Stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status. If situation escalates continue with check-list. If emergency terminates deactivate DPH emergency response activities as appropriate.

ECL #3 SITE AREA EMERGENCY

1. Receive notification that a SITE AREA EMERGENCY has been declared. In a rapidly developing emergency, ensure that ALERT steps 1-5 are taken.

2. Receive information concerning releases of radioactive material, whether actual or anticipated and meteorological data, present and forecast, from the Seabrook Station plant EOF coordinator, or after his/her arrival, from the IFO/EOF Accident Assessor.

3. Perform atmospheric dispersion estimation and dose assessment using METPAC. (See Appendix N) Compare results with EOC AA support. NOTE: If METPAC is not available, use DAAADE (See Appendix O), DAAADE6 (See Appendix P), or modified Hamard/Bousquet-Clayeux (See Appendix Q).

4. Review available data with Accident Assessor at IFO/EOF. If this individual has not reached IFO/EOF, receive and discuss data with Seabrook Station staff or New Hampshire HP staff at the IFO/EOF.

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

ECL #4 GENERAL EMERGENCY

AA SPT -3

(24 HR)

STATUS* TIME DONE INITIAL

5. If IFO/EOF not yet activated, advise Director
-DPHS and Director-Civil Defense of plant status
and advisability of protective actions. _____

6. Use METPAC to obtain hypothetical projection
based on scenerio by the Director, DPHS. _____

1. Receive notification that a GENERAL
EMERGENCY has been declared. In a rapidly
developing emergency, ensure that ALERT
steps 1-5 and SITE AREA EMERGENCY steps 2-6
are implemented. _____

* = DONE
- = NOT DONE
N = NOT APPLICABLE

Division of Public Health Services

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Nuclear Power Plant

FIELD MONITORING TEAM/DECONTAMINATION COORDINATOR

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. The Field Monitoring Team/Decontamination Coordinator is responsible for dispatching State Field Monitoring Teams and for the activation of decontamination facilities.

(24 HR)

STATUS* TIME DONE INITIALECL #1 UNUSUAL EVENT - NO ACTION REQUIRED

(No action required at this ECL.)

ECL #2 ALERT

1. After receiving notification of the declaration of an ALERT from the IFO Coordinator, notify Laboratory Supervisor and report to the IFO/EOF at Newington Station in Newington, NH.

2. Report to DPHS IFO Coordinator and Accident Assessor for briefing.

3. Contact field monitoring teams enroute to perform radio tests.

4. Insure that self-reading dosimeters are zeroed. (See Appendix B.)

5. Establish contact with utility and Massachusetts monitoring team deployment supervisors.

* = DONE

- = NOT DONE

N = NOT APPLICABLE

6. When the monitoring teams arrive, present briefing containing the following information:

- a. EOF Radio call signs
- b. Team call sign
- c. Present situation
- d. Safety & Health Restrictions
- e. Special information and instructions
(this information is obtained from utility deployment supervisor and Accident Assessor)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. Distribute dosimetry (TLD, 0-200mr and 0-20R self-reading) retaining paperwork. Log serial numbers on the appropriate form.

_____	_____	_____
-------	-------	-------

8. After consultation with IFO Coordinator and Accident Assessor, coordinate with utility & Massachusetts for deployment of monitoring teams for plume tracking strategy.

_____	_____	_____
-------	-------	-------

9. Dispatch teams to first monitoring location.

_____	_____	_____
-------	-------	-------

10. Stand by and maintain contact with teams through utility communicator. Communications can be maintained through NH Civil Defense communicator.

_____	_____	_____
-------	-------	-------

11. Maintain team exposure records on the appropriate forms.

_____	_____	_____
-------	-------	-------

12. Insure that DPHS Accident Assessor receives field monitoring data. (See Appendix 1)

_____	_____	_____
-------	-------	-------

13. Report present situation periodically to DPHS IFO Coordinator.

_____	_____	_____
-------	-------	-------

14. Contact Decontamination Center Supervisor to inform him of emergency conditions and to stand by in case his team is needed.

_____	_____	_____
-------	-------	-------

15. Continue steps 7-11 until notified to return to EOF/IFO.

_____	_____	_____
-------	-------	-------

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

ECL #3 SITE AREA EMERGENCY

MT/DK COORD -3

(24 HR)

STATUS TIME DONE INITIAL

1. Perform ALERT steps 1-13 if they have not already been performed.

2. Notify Decontamination Center Supervisors to report to their stations as needed.

3. Maintain periodic contact with Decontamination Center Supervisors insuring proper center operations.

ECL #4 GENERAL EMERGENCY

1. Receive escalation report or that a GENERAL EMERGENCY has been declared. Ensure that SITE AREA EMERGENCY steps 1-3 are taken.

RECOVERY/DE-ESCALATION

1. Upon recovery and de-escalation, insure proper closing of Decontamination Center on instructions from DPHS IFO/EOF Coordinator.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

COMMUNICATOR

MT/DK COORD
ATTACHMENT 1

OFF-SITE MONITORING SAMPLE LOG

DATE: _____

Time: _____	(1)	Flow Rate (CFM) _____	(9)
Team # _____	(2)	Volume of Air Sampled (Ft ³) _____	(10)
Location of Sample ID# _____	(3)	Background Count Rate (CPM) _____	(11)
RO2-A Y Waist Level (mR/hr) _____	(4)	Filter Paper Count Rate (CPM) _____	(12)
RO2-A B-Y Waist Level (mR/hr) _____	(5)	SZ Cartridge (CPM) _____	(13)
RO2-A B-Y 2" Above Ground _____	(6)	Smear Sample (CPM) _____	(14)
Sample Period - Start _____	(7)	Self-Reading Dosimeter (mR) _____	(15)
Sample Period - End _____	(8)		

OFF-SITE MONITORING COORDINATOR CALCULATIONS

PARTICULATE

$$(11) \frac{\text{CPM}}{\text{(CPM)}} - (10) \frac{\text{Bkgnd}}{\text{(Bkgnd)}} = \text{NCPM} \times 1.6 \text{ E-10} \div (9) \frac{\text{CF*}}{\text{(vol-ft}^3\text{)}} = \text{uCi/cc}$$

IODINE

$$(12) \frac{\text{CPM}}{\text{(CPM)}} - (10) \frac{\text{Bkgnd}}{\text{(Bkgnd)}} = \text{NCPM} \times 1.6 \text{ E-10} \div (9) \frac{\text{CF*}}{\text{(vol-ft}^3\text{)}} = \text{uCi/cc}$$

X 2.0 E+6 X Inhalation Time (Hours) _____ = Infant Thyroid Dose (R) _____

CF* = efficiency (10 dpm/cpm), conversion from dpm to uCi (4.5 E-7 uCi/dpm),
conversion from ft³ to cc (28320 cc/ft³).

Division of Public Health Services
 EMERGENCY RESPONSE PRODEDURES
 for the
 Seabrook Station Nuclear Power Plant

MONITORING TEAM PROCEDURES

This document contains checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the Field Monitoring Team members assigned to environment monitoring duties in the event of a ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY.

The Team Leader is responsible for the smooth, efficient, and safe operation of the team. The Team Leader must ensure: 1) the sampling is properly carried out, including the paperwork, 2) the samples are kept safe and turned over to the proper recipient promptly, and 3) the safety of team members. Each individual team member is responsible for the reading his dosimeter at frequent intervals.

(24 HR)

STATUS* TIME DONE INITIAL

ECL #1 UNUSUAL EVENT

(No action required at this ECL.)

ECL #2 ALERT and/or

ECL #3 SITE AREA EMERGENCY and/or

ECL #4 GENERAL EMERGENCY

1. Receive notification from DPHS Laboratory Supervisor (or alternate) that an ALERT, SITE AREA EMERGENCY OR GENERAL EMERGENCY has been declared.

2. Proceed to the DPHS laboratory, Room 11. Report to Lab Supervisor.

3. Receive assignment of monitoring teams (2 members per team), instruction package/handbook, meteorological equipment, Ludlum 19 micro-R meter and vehicles with radio communications from the DPHS lab supervisor.

4. Proceed immediately to IFO/EOF at Newington.

5. Call Civil Defense by radio to report departure for Newington Station.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

STATUS* TIME DONE INITIAL

6. On arrival at IFO/EOF report to Monitor/
Decontamination Coordinator.

7. Obtain briefing from Monitor/Decontamination
Coordinator making sure that the following
topics are covered.

(1) Field Monitoring Team/ Decontamination
Coordinator's radio call sign and how
to reach him by telephone.

(2) Your team's designation or call sign.

(3) The present situation.

(4) Safety and health considerations.

(5) Any special information or
instructions.

8. Obtain A TLD (Thermoluminescent Dosimeter)
badge and self-reading dosimeters (0-200mr, 0-20R)
from the Field Monitoring Team/Decontamination
Coordinator. Sign them out on the IFO
dosimetry log and check for leakage.

9. Set your watch to the IFO clock time.

10. Report to Monitor Dispatch Area. Pick up
field kit and quickly perform inventory found
in Appendix G of instruction package.
(If kit is sealed, inventory need not be
performed).

11. Perform operational checks on equipment
(See Appendix B).

12. Report to first monitoring point per
instructions from Field Monitoring Team/
Decontamination Coordinator; continuously checking
dose rates enroute using the E-140 and/or
RO-2A. (If reading exceeds 500 mR/hr report it
immediately to the Field Monitoring Team/
Decontamination Coordinator.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

STATUS* TIME DONE INITIAL

13. After reaching first monitoring point, take an air sample and general area dose rates (See Appendix C for operating procedures).

14. Measure dose rate of air sample using the E-140.

15. Log the dose rate on appropriate forms and report the dose rates (by radio) of the air sample and general area to the Field Monitoring Team/Decontamination Coordinator at the EOF/IFO.

16. Field monitoring team members should read dosimeters every 15 minutes and report to CD communicator when reading reaches 350mR and return to an area with no dose rate above background..

17. Take any additional samples at the location if assigned by the Field Monitoring Team/Decontamination Coordinator. (See Appendix C for operating procedures.)

18. Proceed to next monitoring point as assigned by the Field Monitoring Team/Decontamination Coordinator.

19. Repeat steps 14 through 17 as instructed by the Field Monitoring Team/Decontamination Coordinator.

20. When recalled, to the IFO/EOF, deliver any environmental samples as instructed by the Field Monitoring Team/Decontamination Coordinator.

* + = DONE

- = NOT DONE

N = NOT APPLICABLE

Division of Public Health Services

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Nuclear Power Plant

DECONTAMINATION SUPERVISOR

This document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. The Decontamination Supervisor(s) is responsible for the set up and operation of his/her assigned Decontamination Center.

		(24 HR)		
		<u>STATUS*</u>	<u>TIME DONE</u>	<u>INITIAL</u>
ECL #1	<u>UNUSUAL EVENT</u>			
	(No action required at this ECL.)			
ECL #2	<u>ALERT</u>			
	1. Receive notification from DPHS Monitor Team/Decontamination Coordinator that an ALERT has been declared at Seabrook Station and to await further instructions.	_____	_____	_____
	2. After receiving notification from the Field Monitoring Team/Decontamination Coordinator to open the Decontamination Center, Insure that Decontamination personnel have been contacted and are enroute.	_____	_____	_____
	3. Report to the Monitoring Team/Decontamination Coordinator that center (DOVER, NASHUA, ROCHESTER, SALEM, MANCHESTER and DURHAM) is being opened.	_____	_____	_____
	4. Proceed to assigned station when notified to open Decontamination Center by DPHS Monitoring Team/Decontamination Coordinator.	_____	_____	_____
	5. When you arrive at assigned Decontamination Center, instruct personnel to:			
	a. Inventory Equipment (See Appendix <u>F</u>)	_____	_____	_____
	b. Perform operational check of instruments (See Appendix <u>F</u>)	_____	_____	_____
	c. Set up Decontamination area as designated in Appendix <u>F</u> .	_____	_____	_____
* + = DONE				
- = NOT DONE				
N = NOT APPLICABLE				

ECL #2 ALERT

DK SUP -2
(24 HR)
STATUS* TIME DONE INITIAL

6. Assign specific duties to Decontamination personnel for duration of emergency (See Appendix F).

7. Insure logs of contaminated persons and extent of contamination are accurately maintained.

8. Insure security and control of contaminated belonging is maintained.

9. Close Decontamination Center upon notification from Field Monitoring Team/Decontamination Coordinator according to specified procedures (See Appendix F).

ECL #3 SITE AREA EMERGENCY

1. Receive report that a SITE AREA EMERGENCY has been declared. Ensure that ALERT steps 1-9 are taken.

ECL #4 GENERAL EMERGENCY

1. Receive escalation report or that a GENERAL EMERGENCY has been declared. Ensure that ALERT steps 1-9 are taken.

* + = DONE
- = NOT DONE
N = NOT APPLICABLE

Division of Public Health Services

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

LABORATORY SUPERVISOR

This document contains checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the Laboratory Supervisor, in the event of an accident. The Laboratory Supervisor is responsible for initial notification and dispatch of the monitoring teams and for performing analytical analysis of field samples.

(24 HR)

STATUS TIME DONE INITIAL

ECL #1 UNUSUAL EVENT

(No action required at this ECL.)

ECL #2 ALERT and/orECL #3 SITE AREA EMERGENCY and/orECL #4 GENERAL EMERGENCY

1. Receive notification from the Field Monitoring Team/Decontamination Coordinator that an ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY has been declared. _____

2. Proceed to the DPHS Laboratory, Room 11 and inform the Field Monitoring Team/Decontamination Coordinator upon arrival. _____

3. Notify the Field Monitoring Team. Minimum requirements are three (3) teams with two (2) members per team. (NOTE: Aerial Monitoring Team members may be used if necessary.) _____

4. Assign vehicles with radios, meteorological equipment, Ludlum 19 micro-R meter, and instruction packages to the Teams as they arrive. _____

5. Notify the Aerial Monitoring Team if directed by the Field Monitoring Team/Decontamination Coordinator. Only one person is required. _____

6. Perform analytical analysis of environmental samples as directed by the Field Monitoring Team/Decontamination Coordinator. These analysis will be performed in accordance with standard laboratory procedure. Additional laboratory facilities are contained in Appendix M. _____

= = = DONE

- = NOT DONE

N = NOT APPLICABLE

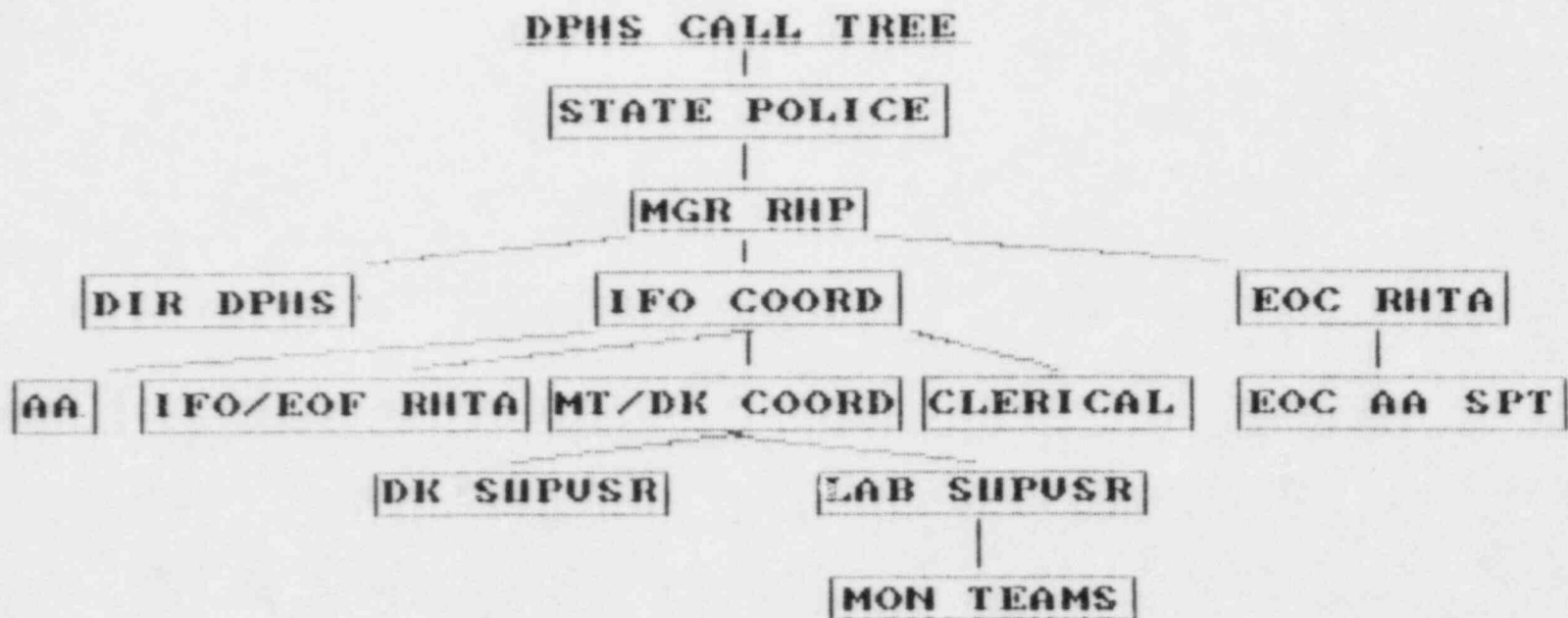
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APPENDIX LISTING

<u>APPENDIX</u>	<u>TITLE</u>
A	CALL TREE
B	OPERATIONAL CHECKS
C	FIELD MONITORING PROCEDURES
D	EOF SITE MAP/LAYOUT & TEL. NUMBERS
E	DIRECTIONS TO NEWINGTON STATION
F	FIELD DECONTAMINATION PROCEDURE
G	OFF-SITE MONITORING TEAM KIT INVENTORY
H	NOTIFICATION FORM
I	RADIOLOGICAL EMERGENCY RESPONSE LOG
J	GOVERNOR'S SUMMARY STATUS REPORT
K	POTASSIUM IODIDE (KI) ADMINISTRATION
L	EMERGENCY EXPOSURE AUTHORIZATION FORM
M	NEW ENGLAND INTERSTATE RADIATION ASSISTANCE PLAN
N	OPERATION OF THE METPAC SYSTEM
O	DAAADE
P	DAAADE6
Q	HAMARD/BOUSQUET-CLAYEUX (mod.)
R	EMERGENCY CLASSIFICATION FLOW CHART
S	PANAFAX UF-400 INSTRUCTIONS

APPENDIX A

CALL TREE FORM



MANAGER, RADIOLOGICAL HEALTH PROGRAM

10/85

<u>POSITION</u>	<u>NAME</u>	<u>HOME NO</u>	<u>OFFICE NO</u>
DIRECTOR OPHS	(P) W. Wallace	746-3831	271-4501
	(S) S. Epstein	228-1050	271-4504
IFO/EOF COORDINATOR	(P) R. DiPentima	659-5655	271-4670
	(S) B. Strohm	524-5755	271-4609
EOC RHTA	(P) M. Lupien	644-5410	271-2023
	(S) W. Johnston	669-6544	271-2023
<u>IFO/EOF COORDINATOR</u>			
ACCIDENT ASSESSOR	(P) J. Stanton	623-4743	271-4587
	(S) D. Tefft	524-3358	271-4588
IFO/EOF RHTA	(P) D. O'Dowd	627-7098	271-4585
	(S) C. Woodbury	267-8076	271-4672
MONITORING TEAM/ DECONTAMINATION COORDINATOR	(P) A. Wallace	742-1705	271-4676
	(S) J. Kemp	225-7585	271-4676
	(S) B. Mohle	224-8921	271-2023
	(S) R. Stacey	399-4879	352-4111 x285
	(S) R. Normandin	487-2463	669-1030 x242
CLERICAL	(P) M. Emery	753-4544	271-4676
	(S) J. Caisse	435-8723	271-4583
<u>EOC RHTA</u>			
EOC ACCIDENT ASSESSOR	(P) D. Halle	622-9618	271-4585
	(S) D. Bevans	796-2483	271-2023
<u>LABORATORY SUPERVISOR</u>			
MONITORING TEAM	D. Channing	228-3830	271-4656
	M. Demers	623-7711	271-4624
	L. Drake	228-9058	271-4663
	B. Evans	776-7221	271-4622
	T. Ferrara	267-8090	271-4589
	M. Greenberg	286-3954	271-4669
	K. Hopkins	764-9476	271-4664
	J. Liptak	224-4342	271-4662
	P. Reiche	627-2931	271-4589
	E. Robinson	259-4531	271-4664
	G. Robinson	524-7426	271-4592
AERIAL MONITORING TEAM	D. Bean	225-2332	271-4668
	P. Lincoln	476-8450	271-4577

MANAGER, RADIOLOGICAL HEALTH PROGRAM

10/85

<u>POSITION</u>	<u>NAME</u>	<u>HOME NO</u>	<u>OFFICE NO</u>
DIRECTOR DPHS	(P) W. Wallace	746-3831	271-4501
	(S) S. Epstein	229-1050	271-4504
IFO/ECF COORDINATOR	(P) R. DiPentima	659-5655	271-4670
	(S) B. Strom	524-5755	271-4609
EOC RHTA	(P) M. Lupien	644-5410	271-2023
	(S) W. Johnston	669-6544	271-2023

IFO/EOF COORDINATOR

ACCIDENT ASSESSOR	(P) J. Stanton	622-4743	271-4587
	(S) D. Tefft	524-3358	271-4588
IFO/EOF RHTA	(P) D. O'Dowd	627-7098	271-4585
	(S) C. Woodbury	267-8076	271-4672
MONITORING TEAM/ DECONTAMINATION COORDINATOR	(P) A. Wallace	742-1705	271-4676
	(S) J. Kemp	225-7585	271-4676
	(S) B. Mohle	224-8921	271-2023
	(S) R. Stacey or	399-4879	352-4111 x285
	(S) R. Normandin	487-2463	669-1030 x242
CLERICAL	(P) M. Emery	753-4544	271-4676
	(S) J. Caisse	435-8723	271-4583

ECC RHTA

EOC ACCIDENT ASSESSOR

(P) D. Halle

622-9618

271-4585

(S) D. Bevans

796-2483

271-2023

MONITORING TEAM/DECONTAMINATION COORDINATOR

LABORATORY SUPERVISOR	(P) F. Langevin	225-9175	271-4505
	(S) B. Bradford	225-7263	271-4668
DECONTAMINATION SUPERVISOR	C. Albano	456-3070	271-4516
	M. Galan	673-8181	271-4596
	J. Heck	736-8141	271-4494
	R. Letellier	225-6837	271-4624
	G. Morse	938-2263	271-4472
	H. Soucy		
	R. Taillefer	485-9092	271-4726
	J. Woodberry, R.N.	623-6756	271-4491
	C. Zumburnen, D.D.S.	753-6717	271-4561

LABORATORY SUPERVISOR

MONITORING TEAM

O. Channing	229-3830	271-4656
M. Demers	623-7711	271-4624
L. Drake	229-9058	271-4663
B. Evans	176-7221	271-4622
T. Ferrara	267-8090	271-4589
M. Greenberg	286-3954	271-4669
K. Hopkins	764-9476	271-4664
J. Liptak	224-4342	271-4662
P. Raiche	627-2831	271-4589
E. Robinson	269-4531	271-4664
G. Robinson	524-7426	271-4592

AERIAL MONITORING
TEAM

O. Bean	725-2332	271-4668
P. Lincoln	476-8450	271-4577

APPENDIX B
OPERATIONAL CHECKS

	INITIALS	TIME
1. RO-2A		
A. Install batteries.	_____	_____
B. Turn range switch to BATTERY CHECK position and verify the battery condition is within the allowable range.	_____	_____
C. Verify meter response with the CS-137 check source.	_____	_____
2. E-140		
A. Check detector cable connector to instrument.	_____	_____
B. Attach the HP-210 probe.	_____	_____
C. Turn range switch to BATTERY CHECK position and verify the battery condition is within the allowable range.	_____	_____
D. Ensure that the response switch is in the SLOW position and that the test switch is back in the DOWN position.	_____	_____
E. Verify meter response with the CS-137 check source.	_____	_____
3. Air Sampler		
A. Install a silver zeolite cartridge and particulate filter (rough side out) in the filter hood.	_____	_____
B. Ensure the air sampler is operational by connecting to the battery.	_____	_____
4. Pocket Dosimeters		
A. Charge and "zero" the dosimeters (Attachment 1).	_____	_____
B. Record the following information for each person on the team in the Dosimetry Log (in Attachment 2) before you leave. Be sure to include:	_____	_____
Name,		
Social Security Number,		
Dosimeter Serial Number, and		
Initial readings from your self-reading dosimeters.		
5. Radio Check		
A. Set up the radio and perform a radio check as follows:		
1. In a normal voice say "EOF, THIS IS MONITORING TEAM NUMBER _____ REQUESTING A RADIO CHECK. DO YOU READ ME? Over." (The EOF Base radio communicator should acknowledge your call.	_____	_____
B. Acknowledge response by saying "EOF, THIS IS MONITORING TEAM NUMBER _____. RADIO IS OPERATIONAL. OVER AND OUT."	_____	_____
C. DPHS Radio Calls contained in Attachment 1.	_____	_____

NOTE: "THIS IS A DRILL" should be repeated before and after each transmission if appropriate.

STATE OF NEW HAMPSHIRE



CIVIL DEFENSE AGENCY

A SERVICE OF

R.S. [illegible] & S.

Commercial Street, Portsmouth, New Hampshire 03801

A [illegible]

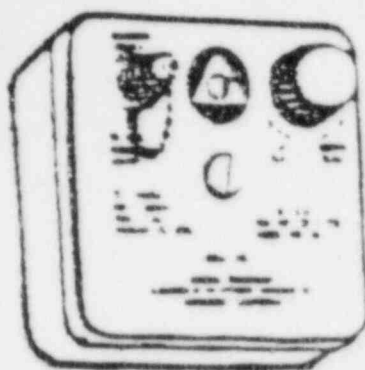


Fig. 1. DOSEMETER CHARGER DOSEMETER

A dosimeter is used to measure your body's accumulated exposure to radiation. It measures the total amount of radiation your body is exposed just as the odometer in your automobile measures the total miles traveled. A pocket clip is provided so that it may be fastened to your outer clothing.

DOSEMETER AND CHARGER OPERATION

1. Point the dosimeter at a source of light (fig. 2) — even a match, a candle, or a flashlight will do — and observe the position of the hairline indicator. If the line is visible and less than about one quarter up-scale, record the reading. If the line is a one-quarter scale or not visible, the dosimeter is in error. A charger is required to start a dosimeter.

2. To operate the dosimeter charger, loosen the thumbscrew in the top or bottom center of the charger with a coin and remove the bottom of the case. Install a battery, observing polarity (+ and -), and reassemble.

3. Position the charger on a flat, steady surface. Unscrew the cap on the charging contact and place the end of the dosimeter (opposite the pocket clip and eye plate) on the charging contact of the charger. (See fig. 3)

4. Apply a firm downward pressure. You should see a meter scale and a hairline while looking through the dosimeter. If no line is visible, rotate the control knob of the charger (fig. 3) until a line appears.

5. Set the line on, or slightly above, zero (fig. 4) using the control knob.

To read the dosimeter at any time, point it at a source of light and note the reading by looking up at the dosimeter (fig. 4). The reading in fig. 4 is 41 milliroentgens. Your accumulated exposure, in Roentgens or milliroentgens (R or mR), is the number you are read less your initial reading.



Fig. 2.

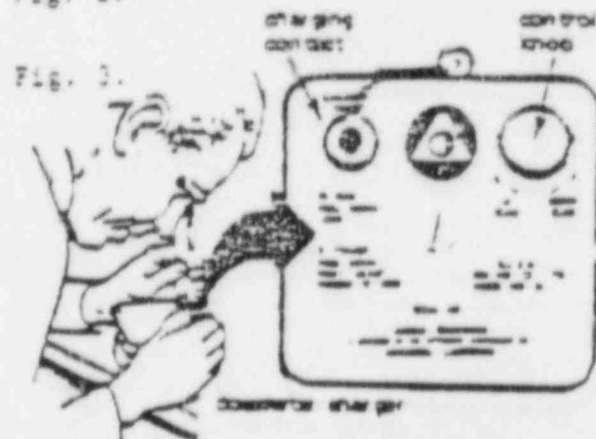


Fig. 3.

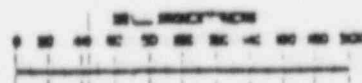
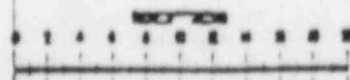


Fig. 4. CD V-105



DAILY DOSIMETER LOG

APPENDIX B
Attachment 2

Name: _____ Date of Birth: _____ Age: _____
Security Number: _____ TLD Badge Number: _____
Today's Date: _____ Monitor Number/Radio Number: _____

0-200 mR Dosimeter - Serial # _____

Initial Reading (I)

Final Reading (F)

Exposure (F-I)

TOTAL EXP.

0-500 mR Dosimeter - Serial # _____

Initial Reading (I)

Final Reading (F)

Exposure (F-I)

TOTAL EXP.

0-200 Dosimeter - Serial # _____

Initial Reading (I)

Final Reading (F)

Exposure (F-I)

TOTAL EXP.

RADIO CALL SIGNS

110 JOHN R. STANTON, CHIEF, Bureau of Environmental Health
111 DIANE E. TEFFT, MANAGER, Radiological Health Program
112 DON HALL, RHP Staff
113 BELVA S. MOHLE, RHP Staff
114 WAYNE F. JOHNSTON, RHP Staff
115 DEBORAH F. BEVANS, RHP Staff
116 DENNIS O'DOWD, RHP Staff
117 DAVID W. BEAN, Monitor - Aerial
118 LORRIE DRAKE, Monitor
119 BILL EVANS, Monitor
120 MARK GREENBERG, Monitor
121 PAUL LINCOLN, Monitor - Aerial
122 JOHN LIPTAK, Monitor
123 KEVIN NICHOLSON, Monitor
124 PAUL RAICHE, Monitor
125 GEORGE ROBINSON, Monitor
126 ARTHUR WALLACE, RHP Ancillary Staff
127 CARL WOODBURY, RHP Ancillary Staff
128 RUFUS STACEY, RHP Ancillary Staff
129 ROBERT NORMANDIN, RHP Ancillary Staff
130 MARC LUPIN, RHP Staff
131 TERESA FERRARA, Monitor
132 ELEANOR ROBINSON, Monitor
133 DAWN CHANNING, Monitor
134 KEVIN HOPKINS, Monitor
135 JOHN KEMP, RHP Ancillary Staff
136 MAURICE DEMERS, Monitor

APPENDIX C

Field Monitoring Procedures

1. Monitoring (Enroute to Survey Locations)
2. Monitoring
3. Air Sampling
4. Meteorological Sampling
5. Special Environmental Sampling

- Food
- Soil
- Milk
- Drinking Water
- Vegetation
- Surface Water

6. Aerial Monitoring

Attachments:

- 1 - Offsite Monitoring/Air Sample Data Record
- 2 - Meteorological Data
- 2 - Emergency Environmental Sample Log

11/14/88

APPENDIX C

1. Monitoring Actions Enroute to Survey Locations

CAUTION

THE INDIVIDUAL DRIVING THE VEHICLE SHOULD NOT PERFORM RADIO COMMUNICATIONS WHILE DRIVING THE VEHICLE.

- a. While driving to the assigned survey location, use the Ro-2A Survey Meter.
- b. Record any reading greater than 1mR/hr using the Ro-2A (Attachment 1) Off-Site Monitoring/Air Sampling Data Record.
- c. Immediately report any reading over 100mR/hr to the EOF.

2. Monitoring

- a. At each location, survey for the following and record readings on Attachment 1:
 - 1) Gamma Radiation levels at waist level,
 - 2) Beta and Gamma radiation levels at waist level, and
 - 3) the highest Beta and Gamma radiation level indicated by a square meter scan about two (2") inches above the ground.
- b. Report the results to the EOF and request further instructions for additional dose rate surveys.

3. Air Sampling Using Portable Air Sampler

NOTE

IF THE AREA DOSE RATE EQUALS OR EXCEEDS 500 mR/hr, IMMEDIATELY REPORT THIS TO THE OFF-SITE MONITORING COORDINATOR.

- a. The portable air sampler is operated by connecting to a 12V DC vehicle battery.

CAUTION

WHEN A VEHICLE BATTERY IS USED, LEAVE THE ENGINE RUNNING AND BE SURE TO MATCH RED CLAMPS TO RED TERMINAL AND BLACK CLAMPS TO BLACK TERMINAL.

- b. If necessary, load the air sampler with silver zeolite cartridge and paper filter. Ensure that the silver zeolite cartridge and particulate filter (rough side out) are properly placed in the filter holder.

3. c. Position the air sampler on vehicle fender away from the vehicle exhaust. The sampler should be sheltered from the rain or snow. Air samples should be taken in open areas away from trees and buildings.
- d. Unless otherwise directed, obtain a minimum 20 cubic feet (560 Liters) sample. Record start and stop times and flow rate on Attachment 1 "Off-Site Monitoring/Sampling Data Record" under "Sample Period".
- e. After the sample is collected, measure background count rate using the E-140 W/HP 210 probe. Record on Attachment 1.

CAUTION

IF THE BACKGROUND IS 300 CPM NOTIFY
THE OFF-SITE MONITORING COORDINATOR AND
MOVE TO AN AREA OF LOWER BACKGROUND.

- f. Remove the sampler head.
 - g. Count the filter using E-140 HP-210 and record the results in column marked "Filter Paper" on Attachment 1.
 - h. Remove the filter paper from the sampler head, place in a labeled envelope, and hold for analysis at the EOF.
 - i. Count the silver ziolite cartridge with the E-140 and HP-210. Record results on column headed SZ Cartridge (CPM) on Attachment 1.
 - j. Write the date, time, sample location, sampling period, and flow rate (CFM) on the plastic bag provided in the kit. Place cartridge in the plastic bag for storage.
 - k. Report the results to the EOF. Read the information from Attachment 1 exactly as written. Calculations of air activity will be done at the EOF.
4. Meteorological Sampling
- a. Pressure
 - 1) Hold the barometer level and out of the wind (inside the car).
 - 2) Gently tap the face and read it to the nearest 0.01 inch.
 - 3) Record the reading on Attachment 2.

4. b. Wind Speed

- 1) Push down on the anemometer hub to completely extend the cup arms.
- 2) Hold the unit away from your body in an area as free as possible of obstructions and stray or redirected air. Read the wind speed from the upper (mph) scale. For winds over 35 mph push the red button on the side of the case and read the wind speed from the upper red scale.
- 3) Record the reading on Attachment 2.

5. Special Environmental Sampling

This sampling will be performed in accordance with FDA, Region 1 document "Collection of Nuclear Power Plant Ingestion Zone Samples". All samples will be recorded on Attachment 3.

COLLECTION OF NUCLEAR POWER PLANT
INGESTION ZONE SAMPLES

FDA, Region I

INTRODUCTION

This guide is prepared to assist in the collection and preparation of samples of food and related materials which may have been contaminated with low levels of radioactive material. This first section contains general background information on sampling for radioactive contamination. The second section covers specific collection and sample preparation procedures.

The FDA is given the prime responsibility, under the Federal Master Plan, of assisting the state governments in their efforts to protect the public health and safety of their citizens. There are several ways of giving assistance. FDA personnel may be assigned directly to the responsible state agency to assist the state in sample collection. Should this be the case, FDA personnel will follow the state protocols for sampling collection and control. FDA personnel may be assigned to collect samples for FDA or other federal laboratory analysis. In this case, following the instructions in this guide for sample collection, preparation and shipment, unless otherwise instructed by those other laboratories. All results from such sampling will be shared and the collection of samples should be coordinated with the state agency.

This guide may be used by FDA, DOA, or state personnel in the collection of food samples. Additionally, FDA may be requested to collect samples of water, snow, soil and vegetation to assist EPA in its environmental analysis.

Analysis of samples may be done by various laboratories, state and federal. The FDA laboratory in Winchester, Massachusetts, is the main FDA laboratory for analysis of radiation contamination, but its facilities are limited. The EPA maintains similar laboratories in Las Vegas, Nevada and Montgomery, Alabama as well as two mobile laboratories, all of which are capable of performing extensive sample analysis. Geographic and other considerations will determine which laboratories actually perform the analysis.

FOOD SAMPLING, GENERAL

1. Only fresh or open air storage foods need to be sampled in the early stages of sampling. Canned or packaged foods do not take up radioactivity from the environment. Therefore, canned tuna or breakfast cereals do not need to be sampled. Stored foods, such as apples which are held in a controlled environment with no air exchange to the atmosphere, do not need to be sampled. Milk, eggs, and fresh vegetables should be sampled to provide an indication in the immediate ingestion pathway. Water, vegetation, and soil may be sampled under special circumstances to give indication of long-term ingestion pathway problems since plants do tend to take up radioactive material from soil and water.
2. Each sample must be collected with care to document the relevant collection conditions. What is being collected is a sample to protect public health, not to base a court action. Therefore, the collection and handling routines will be somewhat specialized. Such conditions as the chickens' feed storage locations, whether cows are on stored feed, the amount of snowfall from which a snow sample is taken, or the slaughter date of a pig may be of importance.
3. Use of the correct sample bag size can be important - some products may be counted in a sample bag and other samples may be placed into a 1/2 or a one-liter container for sample analysis.

FRUIT AND VEGETABLES

Equipment and supplies:

Plastic bags 18" X 18"

Site selection:

Select locally grown fruit and vegetables harvested after the contaminating event or products that may have otherwise been contaminated.

Sample collection:

1. Collect a four-pound sample and place in plastic bag; remove air and close tightly.
2. Label bag with collector's name, type of product, location date and time of collection.
3. Complete Sample Data Form: Include, if appropriate, size of farm, lot (bushels) and location of product at time of contaminating event.

MEAT AND MEAT PRODUCTS

Equipment and supplies:

Plastic bags 18" X 18"

Site selection:

Meat markets or slaughter houses which obtain their animals from local areas.

Precautions:

1. Animals must have been slaughtered after the contaminating event.
2. Types of meat, e.g. muscle, liver, thyroid should be sampled separately.

Sample collection:

1. Collect approximately four pounds of specific type of meat product and place in plastic bag and tie neck of bag.
2. Label bag with collector's name, type of meat, location date and time of collection.
3. Place in second bag and tie.
4. Complete Sample Data Form indicating location where animal was raised, date of slaughter and type of feed given to animal.

EGGS

Equipment and Supplies:

1. Plastic funnel
2. Cubitainer
3. Plastic bag 12" X 12"

Site selection:

Collect directly at farm (preferably where hens are allowed outside), or store which sells local eggs. And remember, brown eggs are local eggs and local eggs are fresh!

Sample collection:

1. Collect enough eggs to nearly fill cubitainer.
2. Break eggs and funnel into cubitainer.
3. Place shells in plastic bag and seal bag.
4. Screw cubitainer cap on tightly and seal with tape.
5. Label cubitainer and bag with last name of collector, location, time and date of collection.
6. Complete Sample Data Form. Note size of farm, whether or not hen feed outside and any other pertinent information.

EMERGENCY RESPONSE STANDARD OPERATING PROCEDURE

SOIL COLLECTIONS

Equipment and supplies:

1. Shovel
2. Grass shears
3. Zip-lock bag

Site Selection:

Sites should be selected which are representative of the region of interest and openly exposed to deposition. The area should be easily sampled, free of large rocks, trees, and other heavy vegetation.

When possible, soil sampling sites should be near air sampling locations to provide some correlation between the two measurements.

Precautions:

Sites should not be selected which are affected by man-made or environmental factors such as mining, erosion or flooding.

Sample Collection:

Follow the steps listed below to collect and prepare a sample.

1. Select a zip-lock bag capable of holding four to five liters of soil.
2. Label the bag, using a waterproof marker. Sample number (if known), last name of collector, location, time, and date of collection should be included.
3. Using a ruler, mark off an area 50 cm. by 50 cm. square (approx. 20 inch X 20 inch). Remove vegetation, stones larger than 1 cm. diameter and other debris from the area.
4. With a shovel, remove the dirt outlined to a depth of 2.5 cm. (approximately 1 inch).
5. Transfer the dirt to the sample bag and seal securely.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

MILK COLLECTIONS

Equipment and supplies:

1. Sampling Bucket
2. Cubitainer (4 liter)

Site selection:

RAW MILK When raw milk is sampled, the sample should be taken from cattle which have been grazing in the area of interest.

PASTEURIZED MILK Pasteurized milk samples should be collected from dairy plants which are known to be supplied from the area of interest.

Precautions:

RAW MILK Care should be taken to choose cattle which have been grazing and not fed stored feed.

PASTEURIZED MILK Pasteurized milk is generally a blend of milk collected from many locations. Samples should be selected which have a known percentage of milk from the area of interest.

Sample Collections:

Follow the steps listed below to collect and prepare a sample.

RAW MILK

1. Select and inflate a 4 liter cubitainer.
2. Label the cubitainer and the cap using a waterproof marker. Sample number (if known), last name of collector, location, number of cattle sampled, time and date of collection should be included.
3. Collect the milk in the sampling bucket. Ideally one liter each from four cows.
4. Transfer the milk from the sampling bucket to the cubitainer. Fill to within 2 cm of the top.
5. Screw the cubitainer cap on tightly, seal with tape, and check for leaks.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

PASTEURIZED MILK

1. Select and inflate a 4 liter cubitainer.
2. Label the cubitainer and the cap using a waterproof marker. Sample number (if known), last name of collector, volume of milk which sample represents, percentage of milk from area of interest, time and date of collection should be included.
3. Collect the milk in the sampling bucket or fill the cubitainer directly.
4. Transfer the milk from the sampling bucket to the cubitainer. Fill to within 2 cm of the top.
5. Screw the cubitainer cap on tightly, seal with tape, and check for leaks.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

EMERGENCY RESPONSE STANDARD OPERATING PROCEDURE
DRINKING WATER COLLECTIONS

Supplies:

Cubitainers (4 liter)

Site Selection:

The sampling site or tap should be one that is known to be connected to the desired water system. The tap should be one that is frequently used.

Precautions:

No on-site treatment (water softeners, filter, etc.) should be connected during sample collections.

Sample collections:

Follow the steps listed below to collect and prepare a sample.

1. Select and inflate a 4-liter cubitainer.
2. Label the cubitainer and the cap using a waterproof marker. Sample number (if known), last name of collector, location, time, and date of collection should be included.
3. Open the cold water faucet and allow it to flow until the water reaches its coolest natural temperature (approx. 2 min.)
4. Fill the cubitainer directly from the faucet until the water level is within 2 cm. of the top.
5. Screw the cubitainer cap on tightly, seal with tape and check for leaks.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

EMERGENCY RESPONSE STANDARD OPERATING PROCEDURE

VEGETATION COLLECTIONS

Equipment and Supplies:

1. Grass shears
2. Knife
3. Large plastic bag

Site selection:

Sites should be selected which are representative of the region of interest and openly exposed to deposition. Open pasture or fields with an even coverage of broad leaf plants are ideal.

When possible, vegetation sampling sites should be near air sampling locations to provide some correlation between the two measurements.

Precautions:

Sites should not be selected which are affected by man-made or environmental factors such as mining, erosion, or flooding. Samples should not contain significant quantities of vines or wooden stems.

Sample collections:

Follow the steps listed below to collect and prepare a sample.

1. Select a large plastic bag capable of holding one kilogram of vegetation.
2. Label the bag using a waterproof marker. Sample number (if known), last name of the collector, location, time, and date of collection should be included.
3. Using a ruler, mark off an area 1 meter by 1 meter square (approx. 39.5 inches by 39.5 inches). Remove sticks and other debris from the area.
4. With grass shears or knife, cut the outlined vegetation 2.5 cm. (approx. 1 inch) from the ground.
5. Transfer the vegetation to the sample bag and seal securely.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

Note:::::In areas where vegetation is sparse, it may be necessary to sample more than one square meter to result in one kilogram of sample. If extended sampling is required, record the change on the Sample Report Form and in the same log.

EMERGENCY RESPONSE STANDARD OPERATING PROCEDURE
SURFACE WATER COLLECTIONS

Equipment and supplies:

1. Sampling bucket
2. Rope
3. Cubitainer (4 liter)

Site selection:

When a stream is sampled, ideally, the sample should be taken from mid-stream where the velocity is greatest and the possibility that any solids have settled is minimal.

When a lake or reservoir is sampled, the sample should represent the water that makes up the larger portion of the reservoir. Operating from bridges, docks, or boats may facilitate open-water collections.

Precautions:

Caution should be exercised to avoid stirring up sediments and including them in the sample. If it is necessary to wade into the water, sample upstream of where you are standing. Sampling buckets should not be allowed to sink to the bottom. Oil slicks and other debris should be swept away prior to sampling.

Sample collections:

Follow the steps listed below to collect and prepare a sample.

1. Select and inflate a 4-liter cubitainer.
2. Label the cubitainer and the cap using a waterproof marker. Sample number (if known), last name of collector, location, time, and date of collection should be included.
3. Collect water in sampling bucket by dipping or casting as necessary.
4. Transfer the water from the sampling bucket to the container. Fill to within 2 cm. of the top.
5. Screw the cubitainer cap on tightly, seal with tape, and check for leaks.
6. Complete the Sample Data Form and record all events on the Field Survey Form.

6. Aerial Monitoring

COMMUNICATOR

APPENDIX C
ATTACHMENT 1

OFF-SITE MONITORING SAMPLE LOG

AME: _____

DATE: _____

Time:	(1) _____	Flow Rate (CFM)	(9) _____
Team #	(2) _____	Volume of Air Sampled (Ft ³)	(10) _____
Location of Sample ID#	(3) _____	Background Count Rate (CPM)	(11) _____
RO2-A			
Y Waist Level (mR/hr)	(4) _____	Filter Paper Count Rate (CPM)	(12) _____
RO2-A			
B-Y Waist Level (mR/hr)	(5) _____	SZ Cartridge (CPM)	(13) _____
RO2-A			
B-Y 2" Above Ground	(6) _____	Smear Sample (CPM)	(14) _____
Sample Period - Start	(7) _____	Self-Reading Dosimeter (mR)	(15) _____
Sample Period - End	(8) _____		

OFF-SITE MONITORING COORDINATOR CALCULATIONS

PARTICULATE

$$(11) \frac{\text{_____}}{(\text{CPM})} - (10) \frac{\text{_____}}{(\text{Bkgnd})} = \text{NCPM} \frac{\text{_____}}{\text{CF}^*} \times 1.6 \text{ E-10} \div (9) \frac{\text{_____}}{(\text{vol-ft}^3)} = \text{_____ uCi/cc}$$

IODINE

$$(12) \frac{\text{_____}}{(\text{CPM})} - (10) \frac{\text{_____}}{(\text{Bkgnd})} = \text{NCPM} \frac{\text{_____}}{\text{CF}^*} \times 1.6 \text{ E-10} \div (9) \frac{\text{_____}}{(\text{vol-ft}^3)} = \text{_____ uCi/cc}$$

_____ X 2.0 E+6 X Inhalation Time (Hours) _____ = Infant Thyroid Dose (R) _____

CF* = efficiency (10 dpm/cpm), conversion from dpm to uCi (4.5 E-7 uCi/dpm),
conversion from ft³ to cc (28320 cc/ft³).

METEOROLOGICAL DATA

Barometric Pressure	_____	in.
Wind Speed	_____	mph
Wind Direction (FROM)	_____	deg.
Wet Bulb Temperature	_____	°F
Dry Bulb Temperature	_____	°F

Is it raining? (Circle one) YES NO

Barometric Pressure	_____	in.
Wind Speed	_____	mph
Wind Direction (FROM)	_____	deg.
Wet Bulb Temperature	_____	°F
Dry Bulb Temperature	_____	°F

Is it raining? (Circle one) YES NO

Barometric Pressure	_____	in.
Wind Speed	_____	mph
Wind Direction (FROM)	_____	deg.
Wet Bulb Temperature	_____	°F
Dry Bulb Temperature	_____	°F

Is it raining? (Circle one) YES NO

Barometric Pressure	_____	in.
Wind Speed	_____	mph
Wind Direction (FROM)	_____	deg.
Wet Bulb Temperature	_____	°F
Dry Bulb Temperature	_____	°F

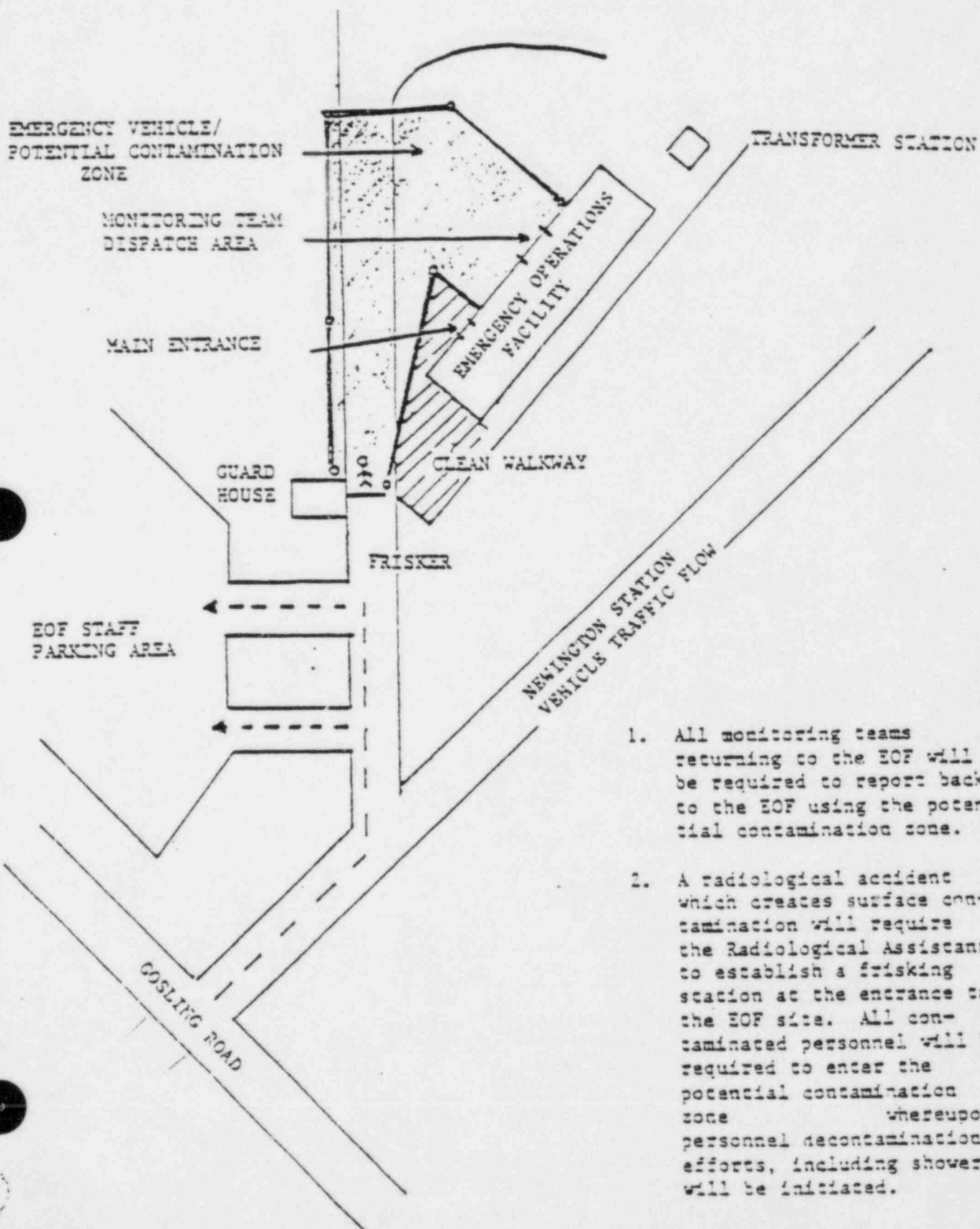
Is it raining? (Circle one) YES NO

[illegible]

D. A. B. et al.

[illegible]

Activity = CPM/eff $\times$ 2.22 E + 6
Volume:



1. All monitoring teams returning to the EOF will be required to report back to the EOF using the potential contamination zone.
2. A radiological accident which creates surface contamination will require the Radiological Assistant to establish a frisking station at the entrance to the EOF site. All contaminated personnel will be required to enter the potential contamination zone whereupon personnel decontamination efforts, including shower, will be initiated.

1. Three (3) types of phones are available in the TSC.

a. Seabrook Station PBX Extensions (Ivory colored phone sets) which can be operated by the user using any of the features shown in Attachment 1. Availability of these features are assigned to in-station extensions or Seabrook off-premise extensions.

1. To contact the Control Room or the Operational Support Center, the user has to just call the Seabrook 4 digit extension.
2. To contact any EOF staff member assigned a Seabrook Off-premise Extension (ie, Response Manager), the user has to dial the 4 digit extension.
3. To contact any EOF staff member assigned a Newington PBX Extension, the user has to dial the Newington access code 89- then the 3 digit Newington PBX extension number.
4. To contact any EOF staff member assigned a Centrex line (private line), the user has to dial 1-5-433-XXXX.
5. In the event that the communication path between Seabrook and Newington is blocked, the user can dial 83 to access Manchester, then 71 to access Newington and then any Newington PBX Extension.

b. Seabrook Station Manchester Off-premise Extensions (Black colored phones) are available for use in the event that the station switch is lost. These phones by-pass the station switch via a microwave link to Manchester. These phones are provided with features which are available to Manchester PABX (ie, switch).

1. To contact the EOF, the user must dial 71- any designated Newington PBX Extension.
2. To contact any in-plant location, such as the Control Room, the user must dial 83- any Seabrook Station PBX Extension.
3. To contact any outside local or long distant number, the user must dial 1-5- any local number or 1-5-1- any long distant number.

c. NRC Emergency Notification System station (Red colored phone sets) is an auto-ring down line to the Region I/ HDQS Operation is automatic when the receiver is lifted off-hook (See pages 2-4 of the Emergency NOTification System Manual).

EMERGENCY RESPONSE ORGANIZATION TELEPHONE DIRECTORYNUMBERI. Technical Support Center (Color Code Unique to ~~Seabrook~~ '5)

1. Site Emergency Director
 - x3201 a. Black Phone - Manchester Off-premise Extension
 - x3950 b. White Phone - Seabrook PBX Extension
2. Designated EOF Response Phone
 - x3951 a. White Phone - Seabrook PBX Extension
3. Designated CSC Response Phone
 - x3952 a. White Phone - Seabrook PBX Extension
4. TSC Reactor Engineer
 - x3953 a. White Phone - Seabrook PBX Extension
5. TSC Engineering Coordinator
 - x3954 a. White Phone - Seabrook PBX Extension
6. TSC HP Coordinator
 - x3955 a. White Phone - Seabrook PBX Extension
7. TSC Maintenance Coordinator
 - x3956 a. White Phone - Seabrook PBX Extension
8. TSC Chemistry Coordinator
 - x3957 a. White Phone - Seabrook PBX Extension
9. TSC I & C Coordinator
 - x3958 a. White Phone - Seabrook PBX Extension
10. TSC Communicator
 - x3959 a. White Phone - Seabrook PBX Extension
11. TSC NRC Systems Staff
 - x3960 a. White Phone - Seabrook PBX Extension
12. NNSD Engineering Support
 - x3962 a. White Phone - Seabrook PBX Extension
13. NRC Technical Support Coordinator
 - x3202 a. Black Phone - Manchester Off-premise Extension

NUMBER

14. MPCS Terminal Phone
 - a. White Phone - Seabrook PBX Extension
15. TSC Document Control Center
 - a. White Phone - Seabrook PBX Extension

II. Operational Support Center

1. Radiological Controls Coordinator
 - a. Beige Phone - Seabrook PBX Extension
2. CSC Coordinator
 - a. Beige Phone - Seabrook PBX Extension
3. PASS Coordinator
 - a. Beige Phone - Seabrook PBX Extension
4. CSC NRC Representative
 - a. Beige Phone - Seabrook PBX Extension
5. HP/Operations Corrective Action Room
 - a. Beige Phone - Seabrook PBX Extension
6. HP/Operations Corrective Action Room
 - a. White Phone - Manchester Off-premise Extension
7. Health Physics Network Phone
 - a. Ash Phone

III. Emergency Operations Facility

1. Response Manager
 - a. White Phone - Seabrook PBX Extension
 - b. Newington Station PBX Station
2. EDF Coordinator
 - a. White Phone - Seabrook Off-premise Extension
 - b. Newington Station PBX Station
 - c. Orange Phone - Nuclear Alert System Station

NUMBER

- 3. Technical Assistance
 - x4204 a. White Phone - Seabrook Off-premise Ext ~~xxxx~~
 - b. Beige Phone - Newington Station PBX Station
- 4. Response Manager (Private Line)
 - x420 a. White Phone - Seabrook Off-premise Extension
- 5. NRC Public Affairs Coordinator
 - 433-1425 a. Brown Phone - Centrex Line
 - 433-1426 b. Brown Phone - Centrex Line
- 6. NRC Director of Site Operations
 - x4207 a. White Phone - Seabrook Off-premise Extension
- 7. NRC Protective Measures Coordinator
 - 433-1421 a. Brown Phone - Centrex Line
- 8. NRC Emergency Response Coordinator
 - x414 a. Beige Phone - Newington Station PBX Station
- 9. NRC Emergency Response Coordinator
 - 433-1422 a. Brown Phone - Centrex Line
- 10. NRC On-site Team Coordinator
 - 433-1420 a. Brown Phone - Centrex Line
- 11. NRC Reactor Safety Coordinator
 - a. Red Phone - Emergency Notification System
- 12. Security Coordinator
 - x406 a. Beige Phone - Newington Station PBX Station
- 13. Training Coordinator
 - x407 a. Beige Phone - Newington Station PBX Station
- 14. Mass CD Liaison
 - x410 a. Beige Phone - Newington Station PBX Station
 - x414 b. Orange Phone - Nuclear Alert System Extension
- 15. Mass Health Dept. Liaison
 - x411 a. Beige Phone - Newington Station PBX Station

NUMBER

	16. FEMA Representative
x405	a. Beige Phone - Newington Station PBX Station
	17. NHICD Liaison
x400	a. Beige Phone - Newington Station PBX Station
x413	b. Orange Phone - Nuclear Alert System Extension
	18. NH Health Dept. Liaison
x402	a. Beige Phone - Newington Station PBX Station
x401	b. Beige Phone - Newington Station PBX Station
	19. Administrative Staff
no line available	a. Call Director - Assigned 3 Beige Phones
	19a. Administrative Assistant
433-1428	a. Brown Phone - Centrex Line
	20. Material/Logistics Coordinator
433-1429	a. Brown Phone - Centrex Line
	21. YNSD Radiation Protection Representative
x415	a. Beige Phone - Newington Station PBX Station
	22. YNSD Mobile TLD Van Coordinator
x408	a. Beige Phone - Newington Station PBX Station
	23. UE&C Representative
433-1418	a. Brown Phone - Centrex Line
	24. Westinghouse Representative
433-1419	a. Brown Phone - Centrex Line
	25. Document Control Center Coordinator
x409	a. Beige Phone - Newington Station PBX Station
	26. Dosimetry Assistant
x404	a. Beige Phone - Newington Station PBX Station
	27. ECF Telecopy Station
433-1417	a. White Phone - Seabrook Off-premise Extension

NUMBER

	28. Dose Assessment Specialist
x4203	a. White Phone - Seabrook Off-premise Extension
	29. NRC
433-1423	a. Brown Phone - Centrex Line
	30. NRC
433-1424	a. Brown Phone - Centrex Line
	31. Off-site Monitoring
x417	a. Beige Phone - Newington Station PBX Station
	32. Emergency Communications Center Director
x418	a. Beige Phone - Newington Station PBX Station
x419	b. Beige Phone - Newington Station PBX Station
	33. Sample Analyst
x420	a. Beige Phone - Newington Station PBX Station
	34. Conference Room
x4208	a. White Phone - Seabrook Off-premise Extension
	35. Corporate Support
x4202	a. White Phone - Seabrook Off-premise Extension
	36. Industry Support Liaison
x421	a. Beige Phone
	37. Joint Owner Liaison
x4201	a. White Phone - Seabrook Off-premise Extension
	38. Health & Safety Coordinator
x422	a. Beige Phone - Newington Station PBX Station
	39. Licensing Supervisor
433-1427	a. Brown Phone - Centrex Line

IV. NH Incident Field Office (All Centrex Lines - Brown Phones)

433-1430	1. NH CDA Receptionist
433-1410	2. NH CAP Subcoordinator

NUMBER

433-1411	3. Troop A. Commander
433-1400	4. State Highway Division Engineer
433-1401	5. Fish & Game Officer
433-1402	6. Red Cross Representative
433-1403	7. IFO Welfare Representative
433-1404	8. National Guard Operations Officer
433-1405	9. Boat Safety Assistant Supervisor
433-1406	10. DPHS HP Assistant
433-1407	11. EMS Representative
433-1408	12. NHCDA Field Technician
433-1409	13. NHCDA Field Technician

V. NH CDA Room

433-1415	1. NH IFO Telecopy
433-1416	2. NH CDA Field Technician
x413	3. Nuclear Alert System (Orange Phone)
Newington PBX	4. NH CDA Coordinator (Beige Phone)

VI. NH DPH Room (Beige Phones)

Newington PBX	1. NH DPH Liaison
Newington PBX	2. NH DPH Coordinator

VII. NRC Meeting Room (Centrex Lines - Brown Phones)

1. NRC Conference Phone
2. NRC Technical Assistant
3. NRC Technical Assistant

APPENDIX E

DIRECTIONS TO IFO/EOF AT NEWINGTON STATION

FROM: CONCORD

From the Health & Human Services Building on Hazen Drive, take Loudon Road East to where Routes 4, 202 and 9 converge. Continue to travel East to Epsom Traffic Circle, East on Route 4, 202 and 9 to Lee Traffic Circle. Stay on Route 4 to Portsmouth. Where Route 95 bears to the right and the main road to Portsmouth center bears to the left, turn left. You will pass the Issac Dow Restaurant on the right and the Bean Farm Mini-Mall on the left. Travel to the third set of stop lights, you will pass the Fox Run Mall and the Newington Mall (both on the right). At the third light, turn left. Drive about 1/4 to 1/2 a mile, watch for the Newington Station sign and driveway on the left. Give identification to guard and enter the locked zone.

APPENDIX F

NEW HAMPSHIRE DEPARTMENT OF PUBLIC HEALTH SERVICES FIELD DECONTAMINATION PROCEDURE

I. General

- A. Guidelines
- B. Personnel Equipment and Supplies
- C. Decontamination Center Setup

II. Monitoring and Decontamination Procedures

- A. General
- B. Personnel Monitoring
- C. Personnel Decontamination
- D. Vehicle Monitoring
- E. Vehicle Decontamination
- F. DOSIMETERS AND CHARGER OPERATION

III. Attachments

- 1. Personnel Radiological Monitoring Report Forms
- 2. Vehicle Monitoring Report Forms
- 3. Monitoring Equipment and Operational Procedures
- 4. Inventory
- 5. Local Decontamination Center Floor Plans
- 6. Daily Dosimeter Log

APPENDIX F

I. General

A. Guidelines

1. A screening station shall be set up prior to entering the area to determine the level of decontamination required. If necessary, instructions on disrobing procedures will be given here.
2. From the screening station, the individual shall be guided to a change area where contaminated clothing and personal belongings shall be bagged and identified, and deposited in containers marked with the appropriate symbols and caution signs.
3. The individual will then enter the shower area.
4. A post-shower screening station shall be setup to determine if re-entry to the shower is necessary.
5. Upon successful decontamination, the individual will then be guided through to a separate change room where individual towels and a change of clothing will be provided.
6. Decontamination personnel may survey the area at any time. At their discretion, they may collect and remove contaminated equipment, supplies, clothing, etc., to designated areas; perform area surveys and personal monitoring; clean the decontamination area; and otherwise take appropriate corrective actions to limit their own exposure to radiation.

B. Personnel Equipment and Supplies

1. Personnel assigned to conduct decontamination procedures shall be supplied with the appropriate personal protective equipment and the supplies necessary to accomplish the procedure, including, but not limited to:

a. Personal Protective Supplies and Equipment

- (1) disposable coveralls, or other similar full body protective clothing;
- (2) disposable gloves, hats, shoes, or shoe coverlets; and
- (3) face shields, vented goggles, or other appropriate protective equipment.

b. Supplies

- (1) personal dosimeters and survey instruments for contamination;

- (2) soaps, detergents, and other appropriate cleansing supplies;
- (3) colored tape, and other disposable supplies that would serve as barricades and visual guidance;
- (4) disposable floor coverings;
- (5) containers, bags, etc., for collection of contaminated clothing, towels, etc., and bags for personal belongings, with tags or other means of identification;
- (6) radiation signs and symbols to designate restricted areas and to label containers and bags;
- (7) a supply of individual towels;
- (8) a supply of coveralls or other clothing and foot coverings to be worn after decontamination; and,
- (9) sheets or clothing to be worn to the shower.

2. Attachment 4 gives guidelines for specific personnel and equipment, and the number required and available.

C. DECONTAMINATION CENTER SET UP

F-3

A. PROCEDURE

1. Inventory and operationally check equipment in accordance with Attachment 3.
2. Set up interior of station as shown in Attachment 5.
 - a. Remove any unnecessary equipment or material from the controlled area.
 - b. Cover all floor surfaces with plastic sheeting. Secure plastic to the floor with duct tape.
 - c. Cover the plastic with paper or similar material in areas where personnel traffic is expected. This will reduce the slip hazard caused by the plastic.
 - d. Cover all stationary devices in controlled area not needed for operation of decontamination station with plastic.
 - e. Arrange contaminated waste containers as shown in Attachment 5. Line each container with a plastic trash bag.
 - f. Construct step-off pad by taping a large plastic trash bag to the floor. Cover this by taping two layers of paper over trashbag.
 - g. Arrange items such as towels, soap, paper coveralls, forms, etc., in such a way that they are readily available.
 - h. If required, line the 2 1/2 gallon bucket with a plastic trash bag, then fill half the bucket with kitty litter. Place the bucket in decontamination section of controlled area.
 - i. Set up monitoring points at entrance to station and exit of showers/washing area.
3. Prepare exterior of decontamination station as shown in Attachment 5.
 - a. Rope off or mark traffic flow into station. This includes marking off a vehicle monitoring area and clean vehicle parking.

b. Mark out routes from monitoring and parking areas to entrance of decontamination station.

c. Set up preliminary monitoring area for personnel outside of decontamination center to determine whether personnel are contaminated.

NOTE: Outer clothing of personnel should be monitored prior to their entering the decontamination station. Contaminated protective clothing such as turnout gear, SCBA's etc., can be removed and bagged at this point to reduce radiation and contamination levels inside the station.

d. Designate a vehicle decontamination area.

4. Assign personnel to operate station as follows:

a. Vehicle monitoring:

(1) Two emergency workers should be assigned. Recommended protective clothing is paper coveralls with rubber gloves and boots under rain suit.

(2) They should have the following equipment and materials:

- a) 1 CDV-700 survey meter;
- b) 12 large plastic garbage bags;
- c) 1 roll of duct tape;
- d) 1 magic marker;
- e) 1 clipboard;
- f) 1 flashlight;
- g) 1 box, plastic surgical gloves; and
- h) 1 copy of applicable procedures.

b. Personnel monitoring:

(1) Three emergency workers should be assigned. Protective clothing should be paper coveralls with plastic surgical gloves.

c. Personnel decontamination:

(1) Two emergency workers should be assigned to accomplish personnel decontamination. Protective clothing should be paper coveralls with plastic surgical gloves.

d. Clerical personnel:

(1) to run paperwork between monitoring points.

e. One extra emergency worker

(1) to use where needed.

f. Station supervisor - one

(1) Additional personnel should be placed on standby to provide for 24-hour operation of the station.

5. Report any unmet personnel or equipment needs to the Monitoring Team/Decontamination Coordinator at the IFO/EOF in Newington.

6. If requested by Monitoring Team/Decontamination Coordinator, begin station operations.

II. MONITORING DECONTAMINATION PROCEDURES

A. General

1. The primary instruments for monitoring personnel and equipment indoors are the CDV-700 Low-Range survey meter.

2. Decontamination personnel will wear Thermoluminescent Dosimeters (TLD) at all times. In addition, two self-reading "pocket types" shall be worn: CVD-138 (0-200 mR) and CDV-730 (0-20R).

3. Decontamination personnel will read their pocket chamber dosimeters every thirty (30) minutes while engaged in decontamination activities.

4. Decontamination personnel should not be allowed to receive more than 5 R total exposure unless sanctioned by DPHS.

B. Personnel Monitoring

1. The following procedures should be used in conducting radiological monitoring of any person entering the decontamination area after deposition of radioactive material. Record data on Attachment 1, Personnel Radiological Monitoring Form.

a. Have person remove all outer garments and shoes immediately upon entering the entrance of the decontamination area.

(1) Monitor coat, hat & shoes to determine whether contaminated.

(2) If contaminated, place in plastic bag, labeled with person's name, until decontamination can be performed.

b. Conduct monitoring survey of the person according to the following guidelines:

(1) Use the headphones on the CDV-700. (Listen to the audio output rather than watching the meter.) A "Hot Spot" will be indicated by an increase in audio output, allowing you to go back, now looking at the meter, to determine exact spot.

(2) Open side-window probe of the CDV-700.

(3) Hold the probe parallel to the subject and 1/2 inch - 1 inch from the person.

(4) Monitor the hands first, then have the person assume the "spread-eagle" position (Refer to Illustration 1).

(a) If hands are contaminated, cover with plastic baggie or plastic wrap until monitoring survey is completed.

(5) Next, monitor the head, back of the neck, shoulders and continue down to the arms and body to the feet.

(a) To monitor bottoms of feet, have person lean against a wall (with hands covered if contaminated) for balance while he/she lifts one foot at a time.

(6) DO NOT move the probe too fast - only about 1 inch per second. The average personnel monitoring should be performed in 3-5 minutes per person.

(7) If probe becomes contaminated, use a different instrument. Probe can be protected by wrapping it with plastic wrap or inserting it into a finger of a disposable surgical glove.

2. A person will be considered to be contaminated if readings are more than 100 counts per minute above background. (This limit may be adjusted by DPHS according to prevailing radiation levels outside.)

3. Persons with contaminated clothing should be asked to disrobe completely before leaving the entrance for the shower facility.

a. Sheets or disposable clothing are available for person to wear to the shower facility.

b. Should it be necessary for a person to disrobe completely, it is imperative that the person's dignity is maintained to the highest degree possible.

C. Personnel Decontamination:

1. Determine which of the following decontamination methods to use:

a. Washing with soap and tepid (body temperature) water over the container filled with kitty litter. This method is recommended when:

(1) Contamination is limited to small, localized areas of the body such as hands, feet or a small patch of skin.

(2) Only a limited quantity of water would be necessary to accomplish decontamination.

(3) The time consuming use of the container with kitty litter method doesn't result in a backlog of personnel awaiting decontamination.

NOTE: The primary advantage of this method is that it prevents contamination of sinks, and showers and does not discharge contamination to the sewer system.

b. Washing with soap and water using installed sinks is recommended when:

(1) The time consuming use of the container with kitty litter method results in a backlog of personnel awaiting decontamination.

(2) The number of individuals requiring decontamination would result in use of larger quantities of water that would overload the capacity of the kitty litter.

(3) Contamination is limited to a localized area of the body.

c. Showering is recommended when:

(1) The individual is uniformly contaminated over a large portion of the body.

(2) The previous methods would require too much time and result in delays in decontamination of other personnel.

d. A combination of showering and one of the other methods, as appropriate, is recommended in situations where:

(1) An individual is contaminated over a large portion of the body but has "hot spots" such as hands, fingernails, hair, etc., which are contaminated to much higher levels than other portions of the body.

In these cases the "hot spots" should be pre-washed with soap and water followed by a complete shower.

3. Have the individual move to the decontamination section of the controlled area.

NOTE: Ensure that the individual does not contaminate other areas of his body during this time.

4. Procedures for decontamination of localized areas:

- a. Lightly wet the affected area
- b. Using soap, gently work up a lather
- c. Gently wash the area for about one minute, taking care not to irritate the skin
- d. Rinse the area using as little water as possible
- e. Monitor area to ascertain whether another washing is needed

5. Shower procedures for decontamination:

- a. Use sufficient amounts of water with mild soap (not granulated on soft skin).
- b. Pay particular attention to hair, armpits, fingernails and body orifices.
- c. Keep mouth and eyes closed while under shower to avoid ingestion of contaminated particles.

- d. Take care not to allow fingernails to scratch skin.
 - e. If hands are heavily contaminated and do not come clean with the first two (2) scrubblings, use mixture of granulated detergents and cornmeal.
- 6. Re-monitor person after shower.
 - a.. If readings are still above 0.5 mR/hr repeat showering process paying particular attention to "hot spots".
 - 7. Send person to medical facility if he/she cannot be decontaminated.
 - 8. If the person remains in the decontamination area for an extended period, clothing should be decontaminated by washing and returned to owner.

D. Vehicle Monitoring

- 1. The following procedures should be used in conducting radiological monitoring of any vehicle entering the decontamination area after desposition of radioactive material. Record data on Attachment 2, Vehicle Monitoring form.
 - a. Establish and periodically verify background radiation level.
 - b. When monitoring a vehicle with CDV-700 survey meter, headphones must be used.
 - c. A reading of greater than or equal to 100 cpm above background indicates the vehicle is contaminated.
 - d. Monitor the entire external area of the vehicle. Areas most likely to be contaminated are the wheel wells, radiator grill, air filter and attached equipment used in a response effort.
 - e. Begin survey of vehicle at the bottom of the vehicle and work up. Consider all surfaces of the vehicle contaminated until proved otherwise by monitoring.
 - f. Avoid contact with potentially contaminated surfaces of the vehicle to prevent contaminating yourself.
 - g. Monitoring of internal areas of vehicle is necessary only when:
 - (1) vehicle is externally contaminated, or
 - (2) personnel transported in vehicle are contaminated.

E. Vehicle Decontamination

1. Ensure that all areas of contamination on the vehicle have been pinpointed and accurately recorded on the Vehicle Contamination Report.

a. If only localized contamination areas have been identified on the vehicle proceed as follows:

- (1) lightly wet contaminated area;
- (2) using soap, work up a lather;
- (3) continue to wash for one minute in such a way as to prevent spreading of the contaminants;
- (4) rinse using minimal water; and
- (5) monitor decontamination progress.
- (6) This procedure should be repeated until decontamination is complete.

b. If large areas or the entire vehicle is contaminated:

- (1) hosing the vehicle by fire apparatuses may be needed for decontamination;
- (2) if practicable, a car wash could be utilized to achieve decontamination.

NOTE: These procedures should be sanctioned by Department of Public Health personnel. Contaminated water must be monitored to insure either containment or safe disposal into a waste facility.

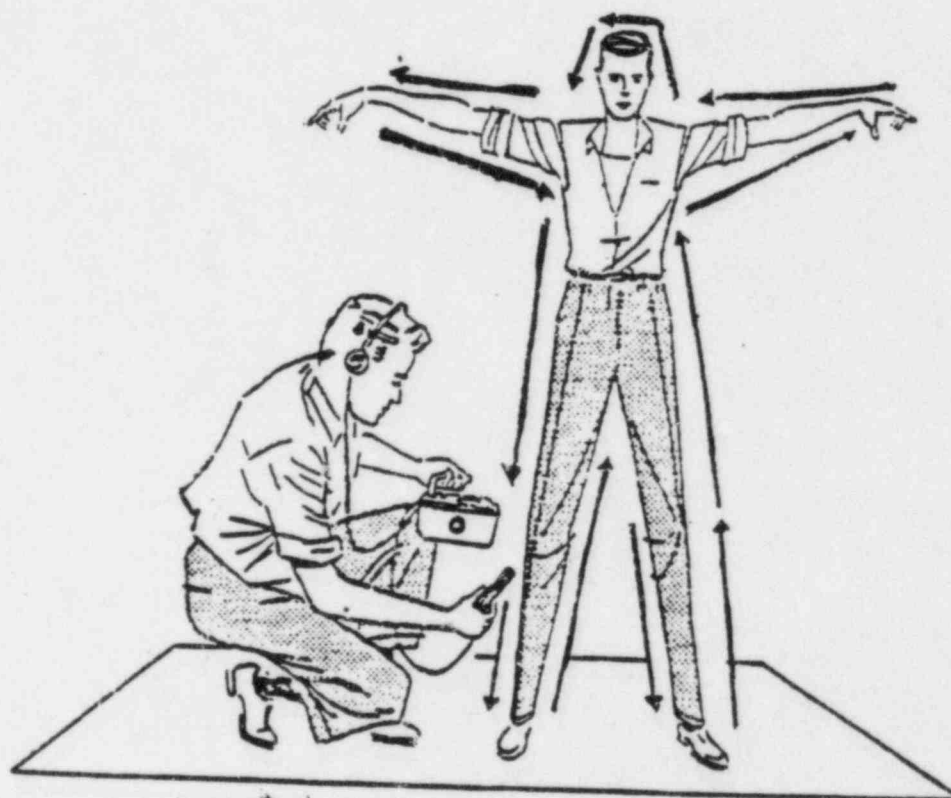
3. Continue washing procedures until decontamination is complete (i.e. less than 100 cpm over background using a CDV-700 meter).

F. Dosimeters and charger operation

A dosimeter is used to measure your body's accumulated exposure to radiation. It measures the total amount of radiation your body is exposed to just as the odometer in your automobile measures the total miles traveled. A pocket clip is provided so that it may be fastened to your other clothing.

1. Point the dosimeter at a source of light - even a match, a candle, or a flashlight will do - and observe the position of the hairline indicator. If the line is visible and less than about one quarter up-scale, record the reading. If the line is above one-quarter scale or not visible, the dosimeter must be zeroed. A charger is required to zero a dosimeter.

2. To operate the dosimeter charger, loosen the thumbscrew in the top or bottom center of the charger with a coin and remove the bottom of the case. Install a battery, observing polarity (+ and -), and reassemble.
3. Position the charger on a flat, steady surface. Unscrew the cap on the charging contact and place the end of the dosimeter (opposite the pocket clip and eye piece) on the charging contact of the charger. (See figure 3.)
4. Apply a firm downward pressure. You should see a meter scale and a hairline while looking through the dosimeter. If no line is visible, rotate the control knob of the charger until a line appears.
5. Set the line on, or slightly above, zero using the control knob. (See figure 5.)
6. To read the dosimeter at any time, point it at a source of light and note the reading by looking through the dosimeter. The reading in figure 4 is 45 milliroentgens. Your accumulated exposure, in Roentgens or milliroentgens (R or mR), is the number you now read less your initial reading.



Decontamination Monitoring

11/18/85

PERSONNEL RADIOLOGICAL MONITORING REPORT FORM

NOTE: THIS FORM WILL BE COMPLETED FOR EACH INDIVIDUAL WITH A READING OF
100 cpm - OR MORE ABOVE BACKGROUND.

NAME of person monitored _____
SOCIAL SECURITY NUMBER _____
ADDRESS _____

FIRST Radiological Monitoring

Monitor's or Recorder's Signature X _____
Decontamination Center _____
Survey Meter Serial # _____ DATE _____ TIME _____ am
pm

SECOND Radiological Monitoring - to be completed after person has undergone
decontamination including acquiring radiologically "clean" clothing.

Monitor's or Recorder's Signature X _____
Decontamination Center _____
Survey Meter Serial # _____ DATE _____ TIME _____ am
pm

THIRD Radiological Monitoring - to be completed after person has undergone
decontamination a second time.

Monitor's or Recorder's Signature x _____
Decontamination Center _____
Survey Meter Serial # _____ DATE _____ TIME _____ am
pm

ANATOMY	FIRST MONITORING	SECOND MONITORING	THIRD MONITORING
head	cpm	cpm	cpm
face			
neck			
rt. shoulder			
rt. arm			
rt. hand			
rt. side			
rt. outside leg			
rt. foot			
rt. inside leg			
groin			
lt. inside leg			
lt. foot			
lt. outside leg			
lt. side			
lt. hand			
lt. arm			
lt. shoulder			
chest			
stomach			
back			
buttocks			

Medical Referral - subject individual sent to _____ hospital for
decontamination and/or treatment at (TIME) _____ am on (DATE) _____.
X _____ pm

<u>VEHICLE</u>	<u>OWNER/ DRIVER</u>	<u>TIME/DATE DECONTAMINATED</u>	<u>INITIALS</u>
<u>REGISTRATION</u>	<u>AREAS CONTAMINATED</u>		

11-27-85

MONITORING EQUIPMENT AND OPERATIONAL PROCEDURES

A. CDV-700 SURVEY RATE METER

Operational Check for CDV-700

1. Check visually to see that fresh batteries are in place. If not, insert them, observing the indicated polarity.
2. Turn the selector switch to the x10 range.
3. Allow 30 seconds for warm-up time.
4. Open the probe shield and place the open area directly against the check source. There should be a deflection of the meter needle indicating that the instrument is responding to radiation.
5. Determine the background radiation level by setting the instrument on the most sensitive scale (x1) and observing it for about 30 seconds.

INVENTORY

ITEM	Number	Comments
	REQ.	AVAIL.
Personnel		
Personnel Monitoring	3	
Personnel Decontamination	3	
Vehicle Monitoring	2	
Supervisor	1	
CDV-700 Survey Meter		
w/ headphones	6	
CDV-138 Dosimeters, 0-200mR	10	
CDV-730 Dosimeters, 0-20 R	10	
CDV-750 Dosimeter charger	1	
Kitty Litter	1	50/lb bag
Sandwich-size plastic bags	30	ea.
Kitchen-size plastic bags	36	ea.
Garden-size plastic bags	36	ea.
Floor coverings for controlled areas	1	roll
2" cloth duct tape	6	rolls
O-cell batteries	1	box
3X5" cards	1	pkg
Black magic markers	6	ea.
Clipboards	6	ea.

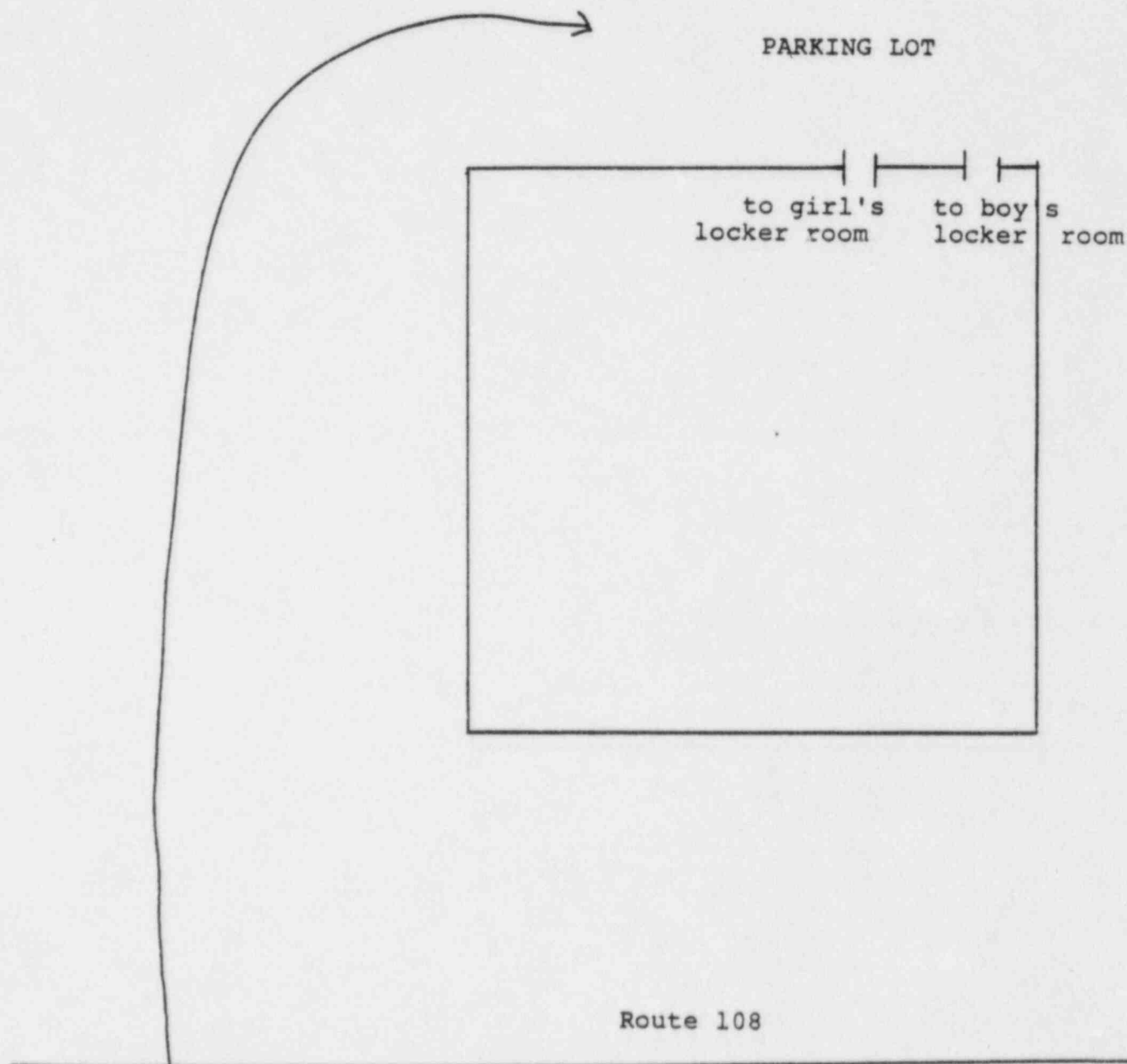
Item	Minimum Numbers	Comments
Scissors	1 pair	
Trash cans - 5 gallon	4	
Trash containers - 14 gallon	2	
Masking tape	6 rolls	
Yellow tape/rope for visual guidance	1 roll	
Papertowels	1 case	
Paper coveralls	20 pair	
Disposable gloves	2 boxes	
Shoe covering	10 pair	
Rubber Boots	10 pair	
Plastic rain suits	10	
Face shields	10	
Ivory Soap	2 bars	
Granulated Detergents		

APPENDIX F
ATTACHMENT 5

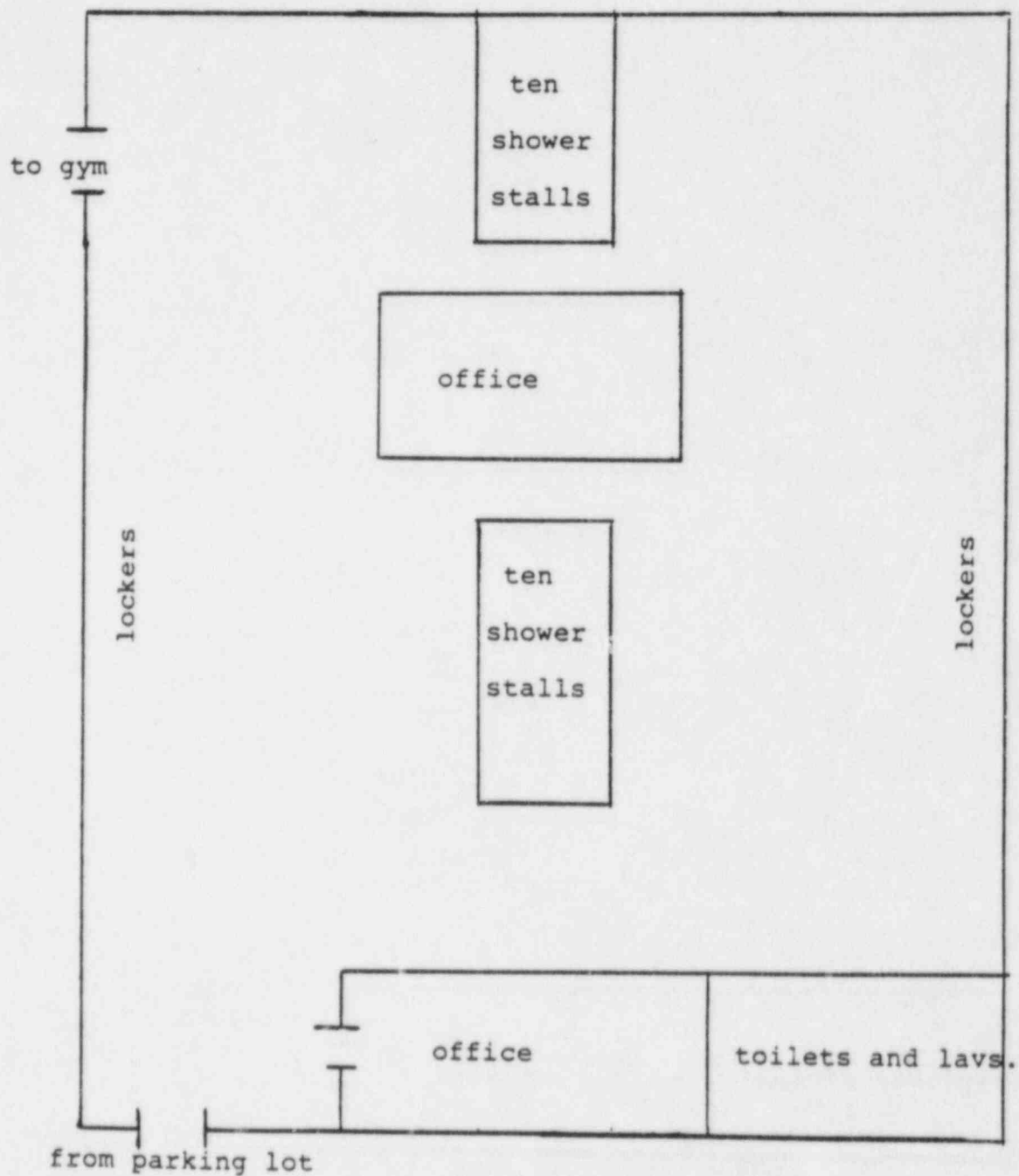
LOCAL DECONTAMINATION CENTER FLOOR PLANS

DOVER HIGH SCHOOL, DOVER, NH

Take exit 7 from the Spaulding Turnpike to Rte. 108. Go south on 108
to the High School, which is on the right.

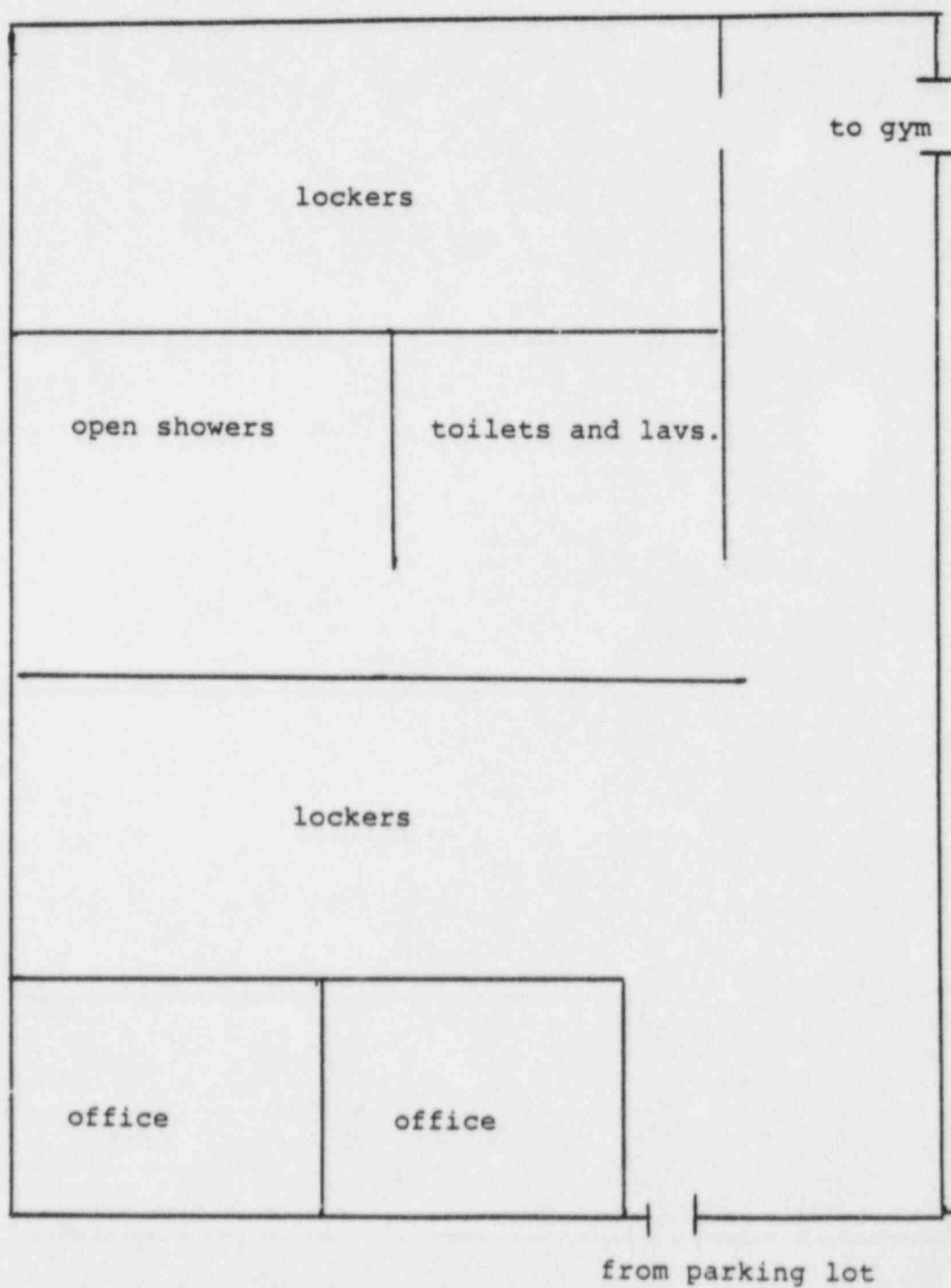


Girl's Locker Room



Boy's Locker Room

DOVER

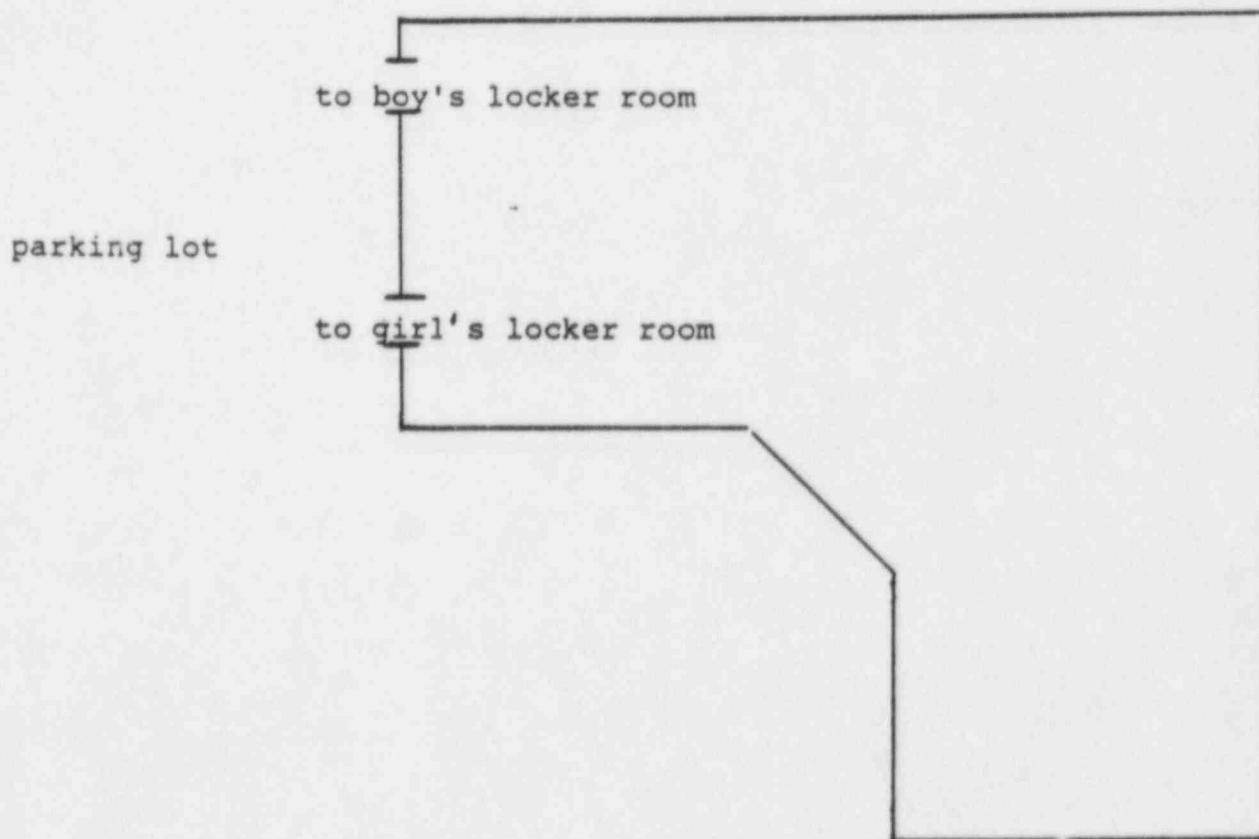


DURHAM
DECONTAMINATION CENTER

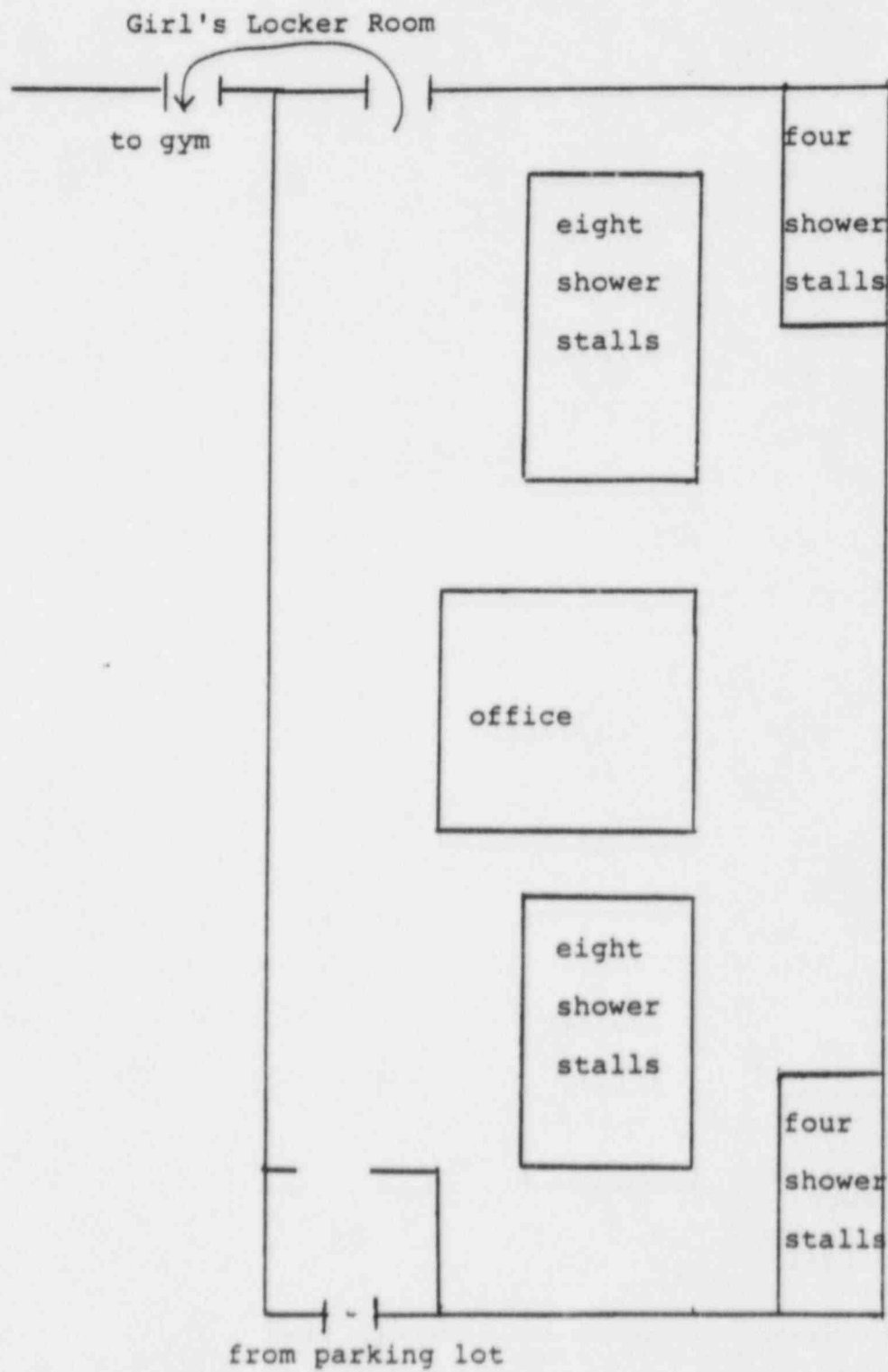
(NOT AVAILABLE AT THIS TIME)

MEMORIAL HIGH SCHOOL, MANCHESTER, NH

Take exit 1 from I-293 in Manchester on to South Willow Street going north. Turn right on to Weston Road. Go to South Porter St. and turn left. Memorial High is ahead on the left.

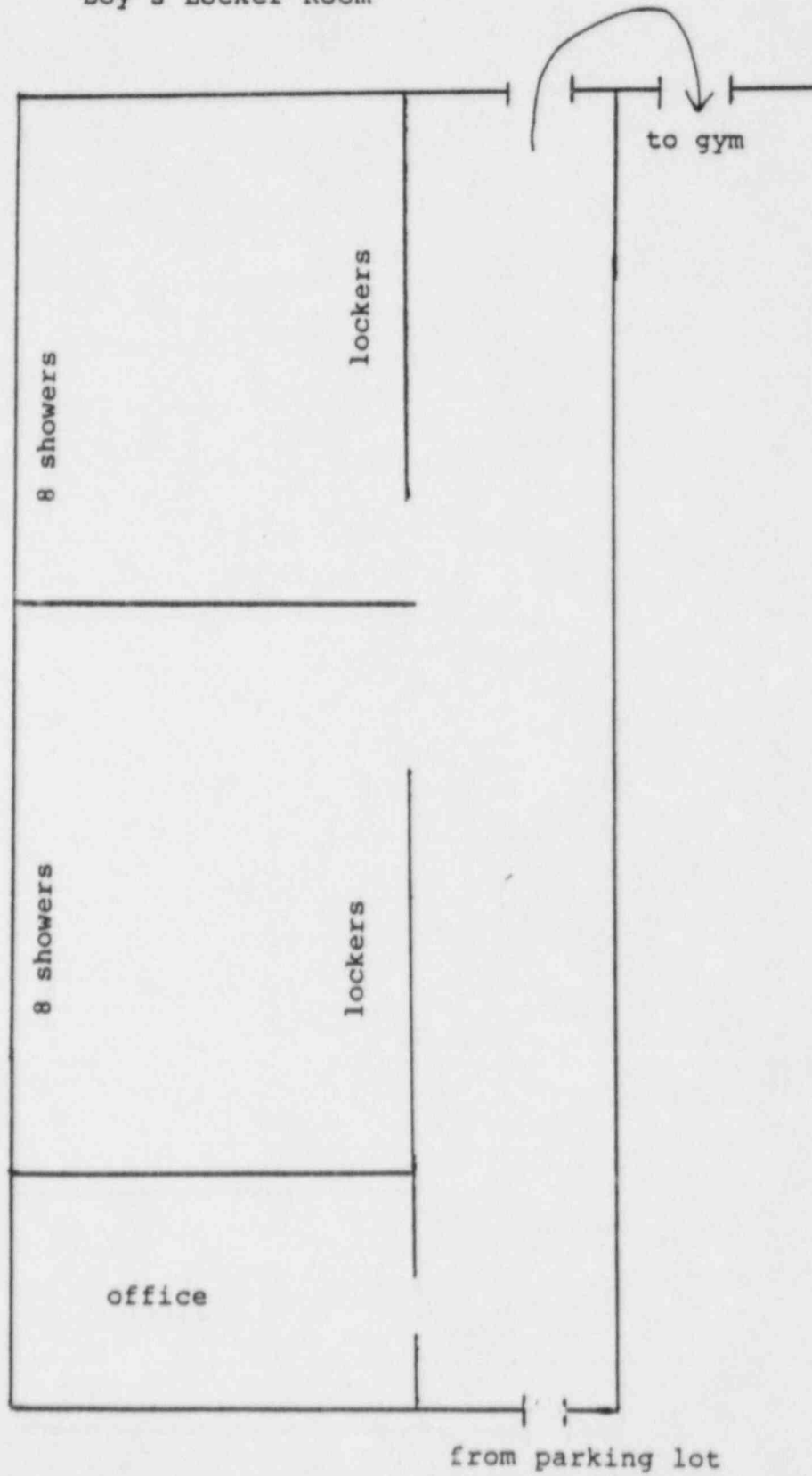


MANCHESTER



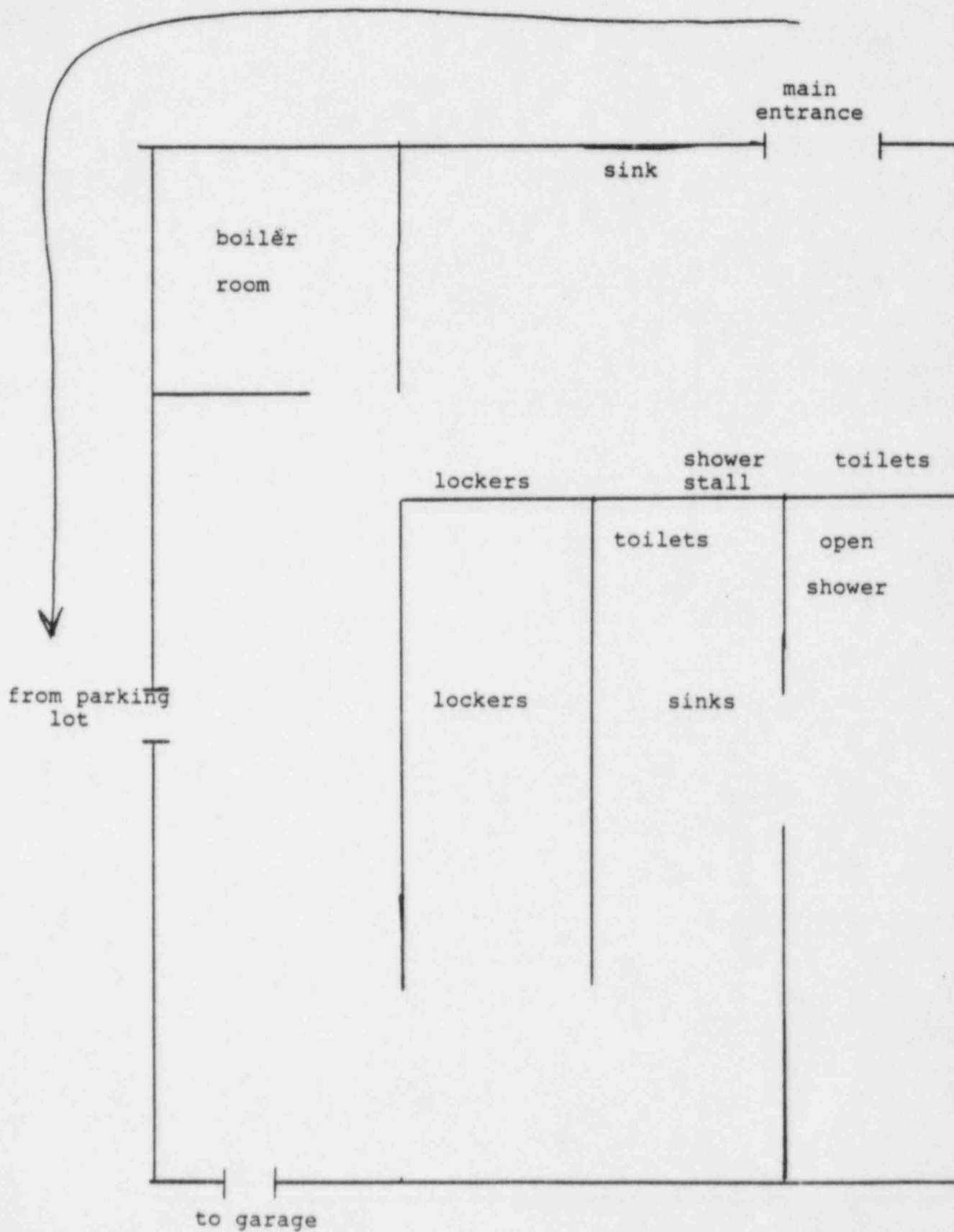
MANCHESTER

Boy's Locker Room



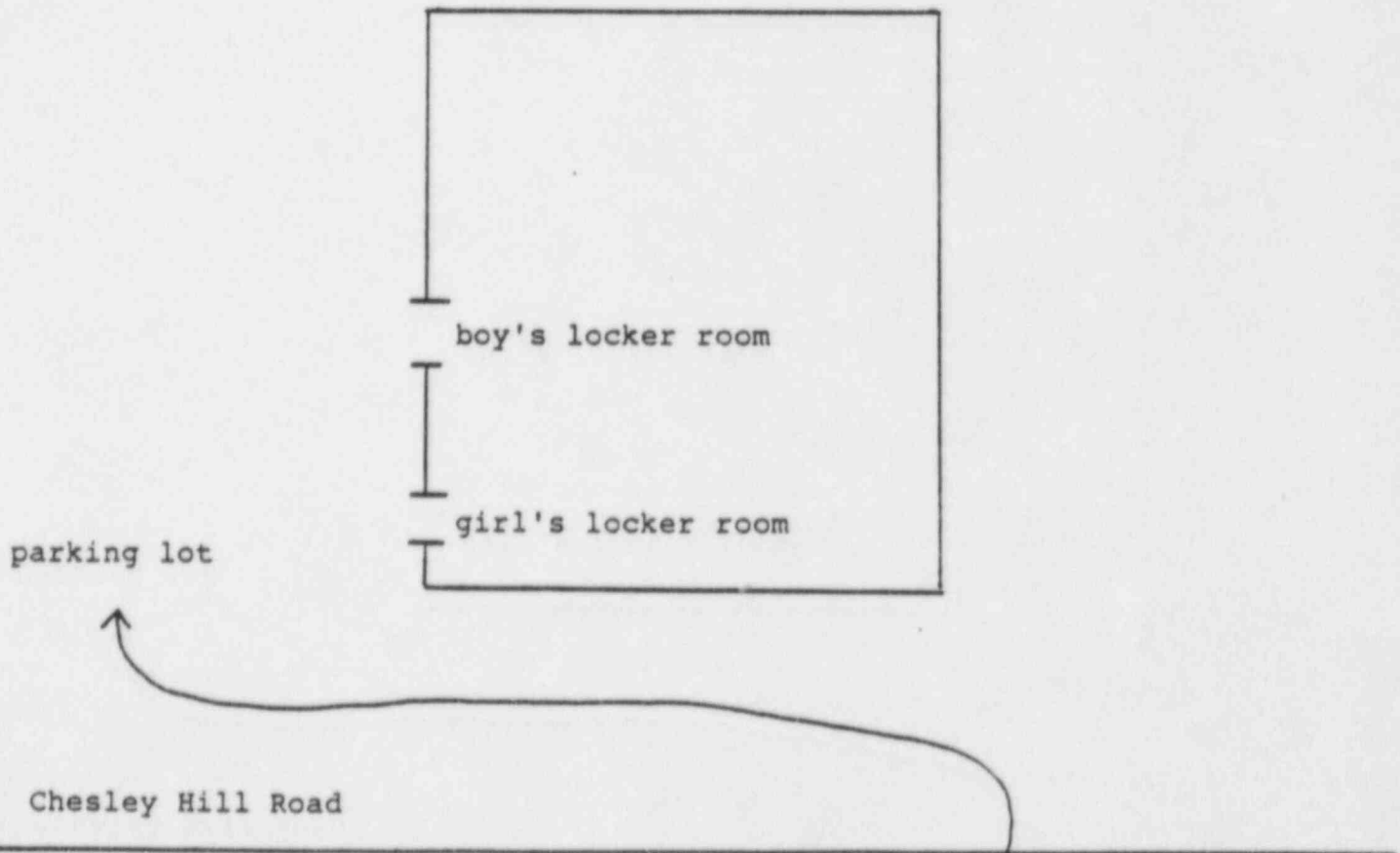
NASHUA TOWN GARAGE, NASHUA, NH

Take the F.E. Everett Turnpike to exit 5.



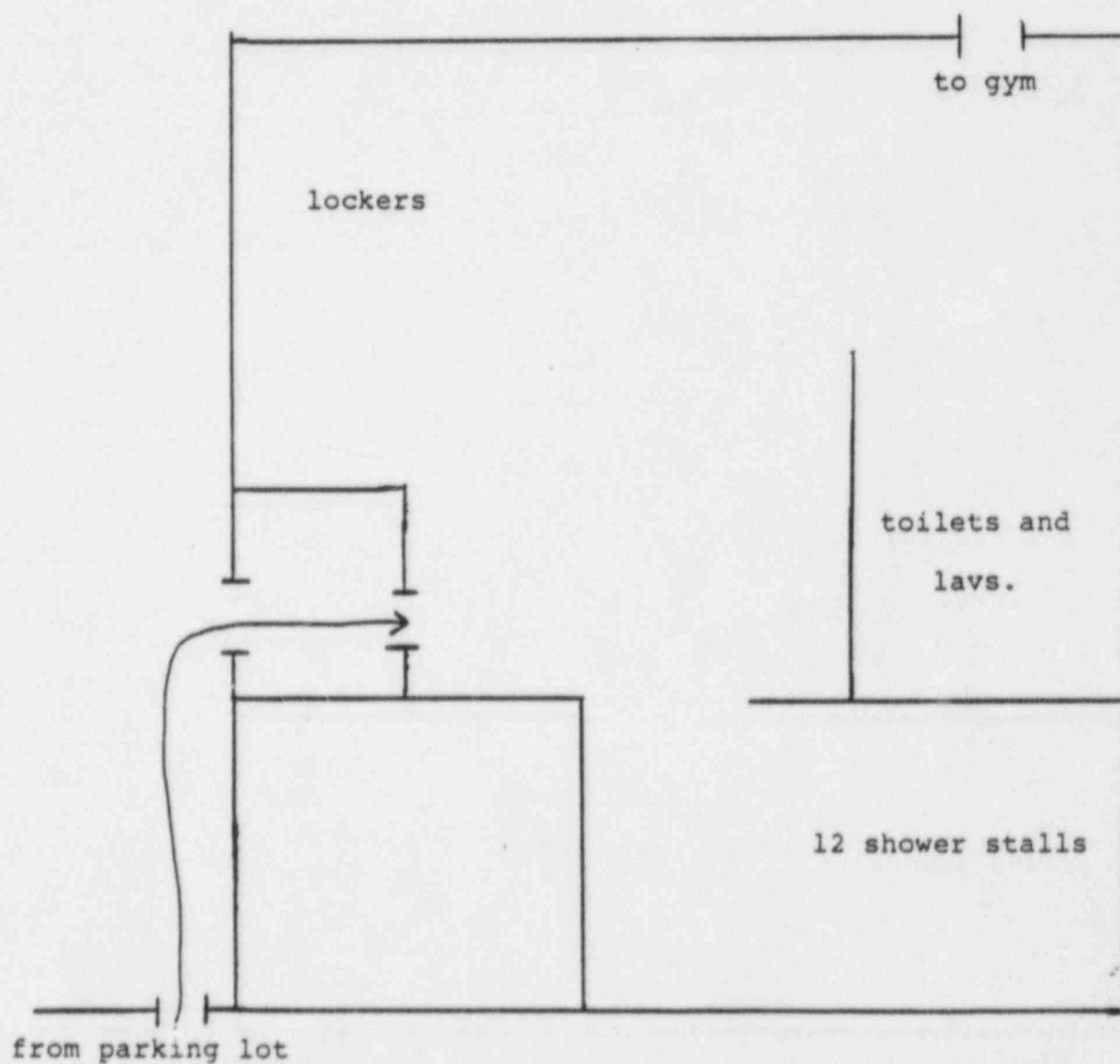
SPAULDING HIGH SCHOOL, ROCHESTER, NH

Take exit 16 from the Spaulding Turnpike and turn left on to Route 202. Go to Chesley Hill Road and turn left. Spaulding High is ahead on the left.

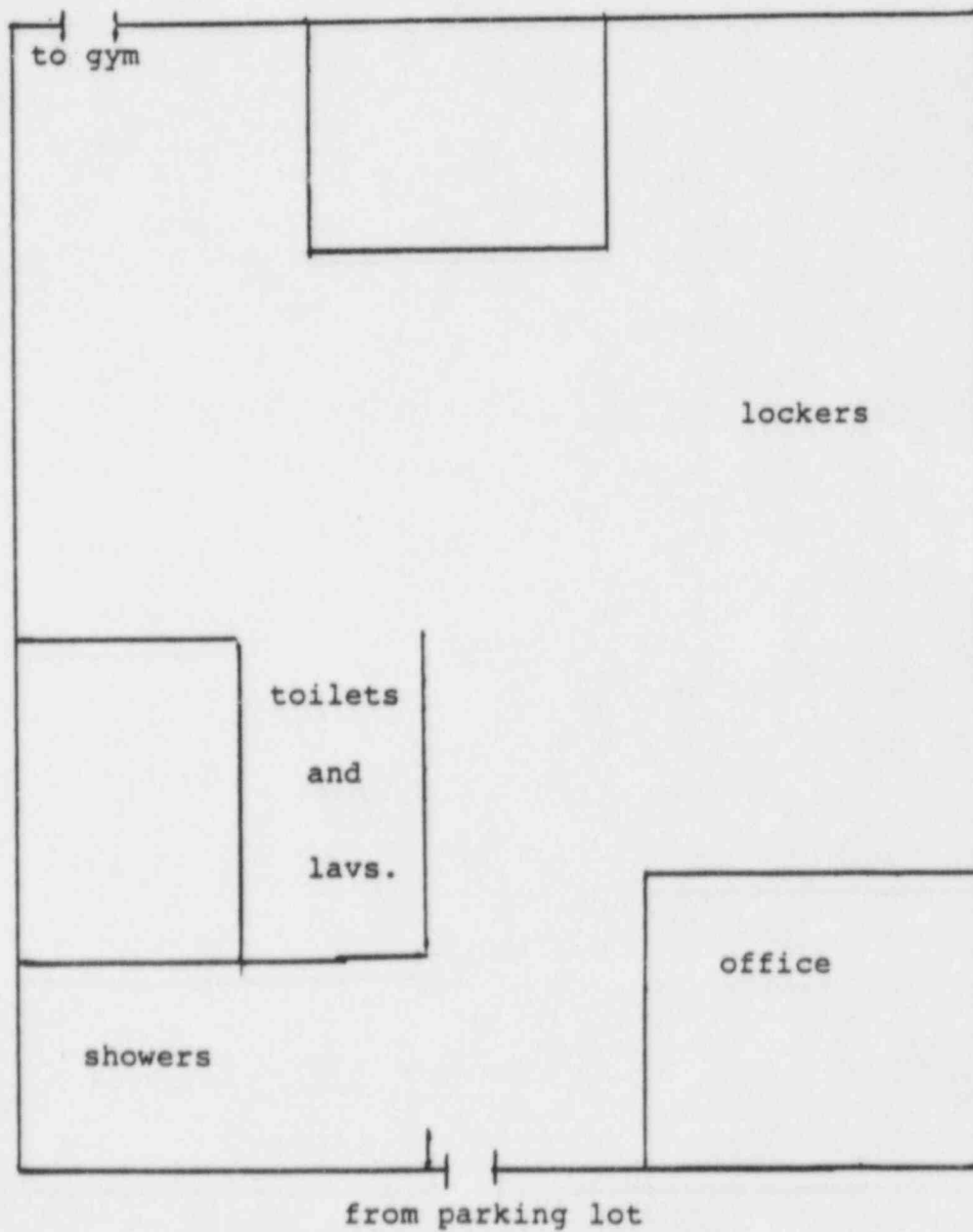


ROCHESTER

Girl's Locker Room

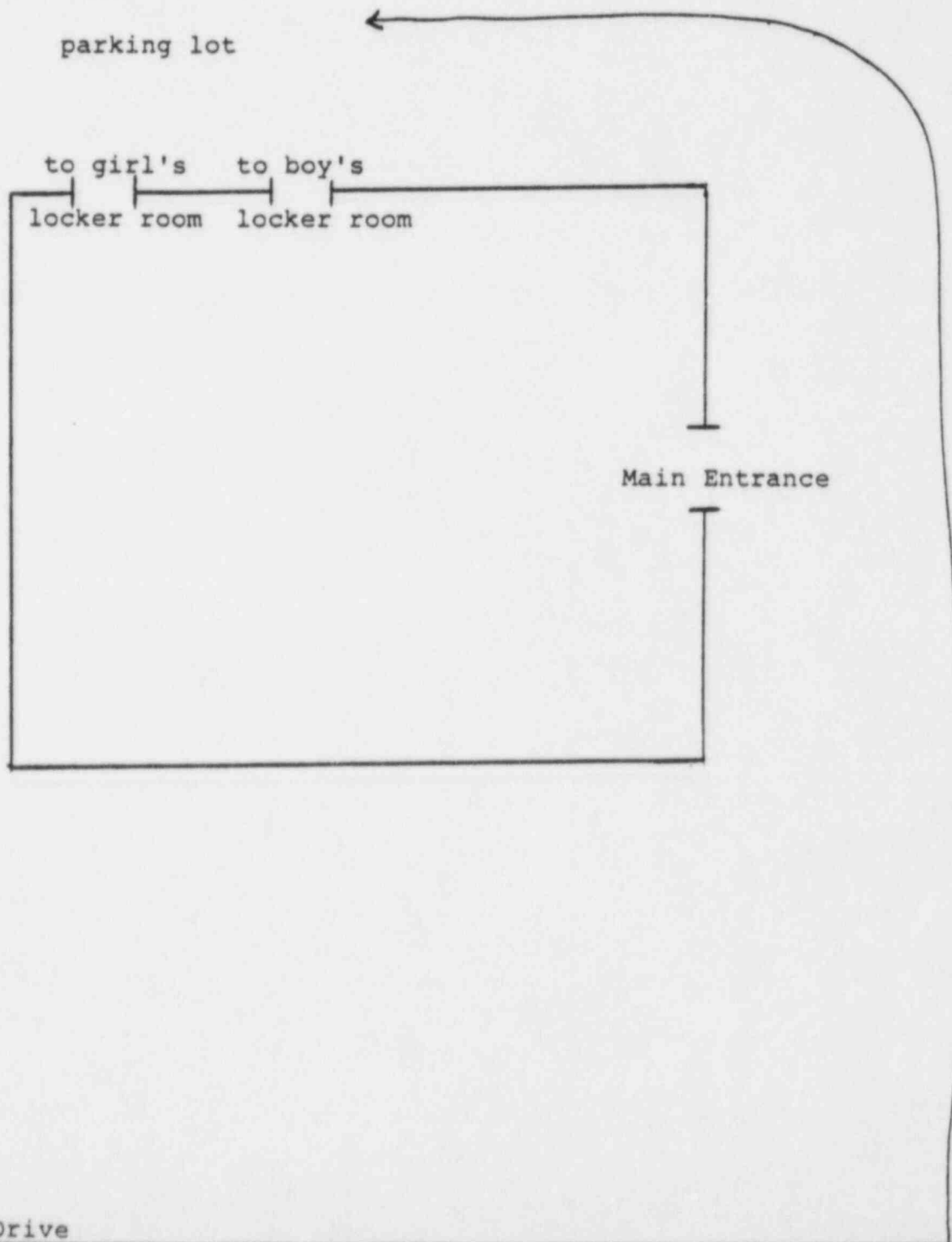


Boy's Locker Room

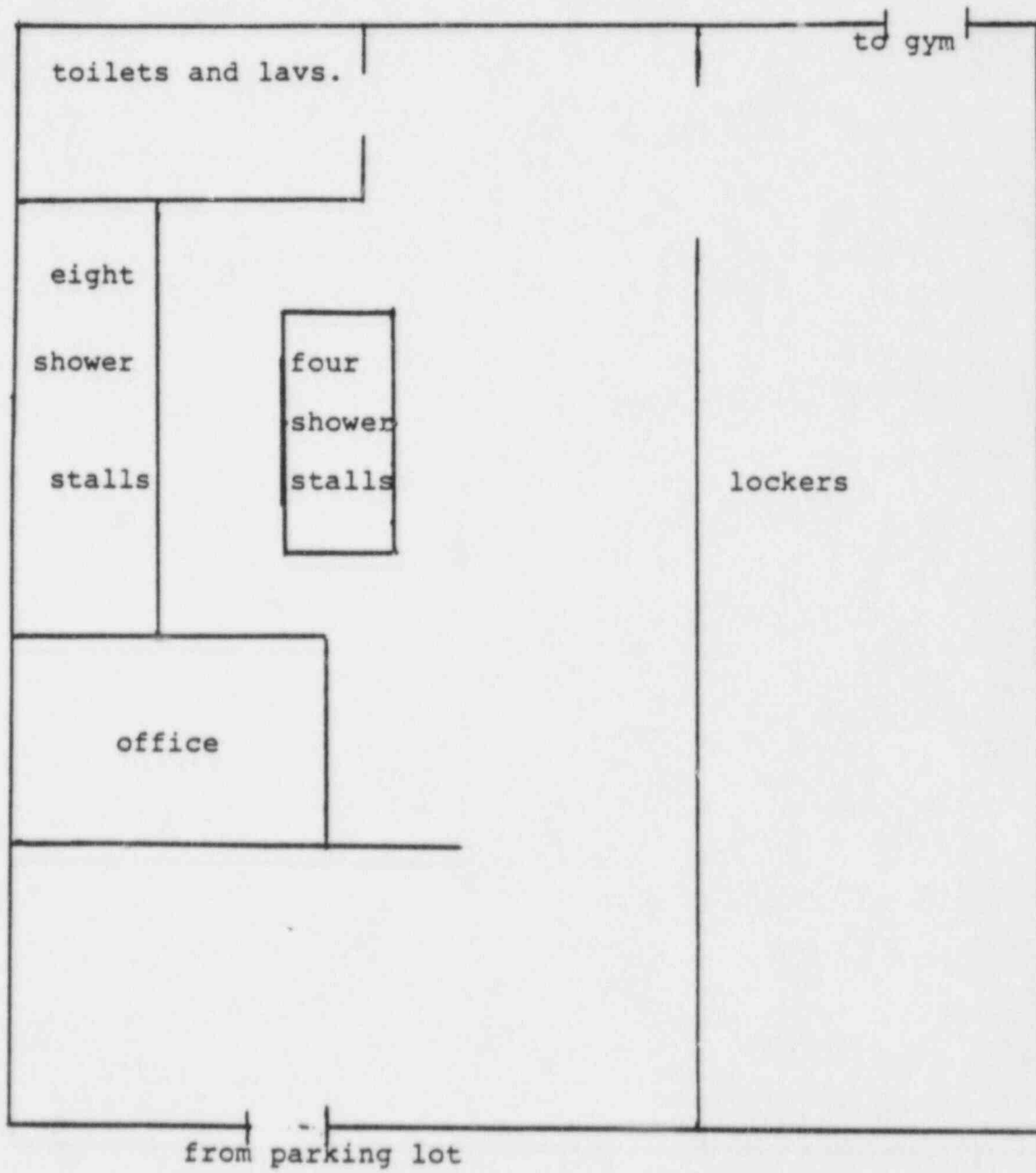


SALEM HIGH SCHOOL, SALEM, NH

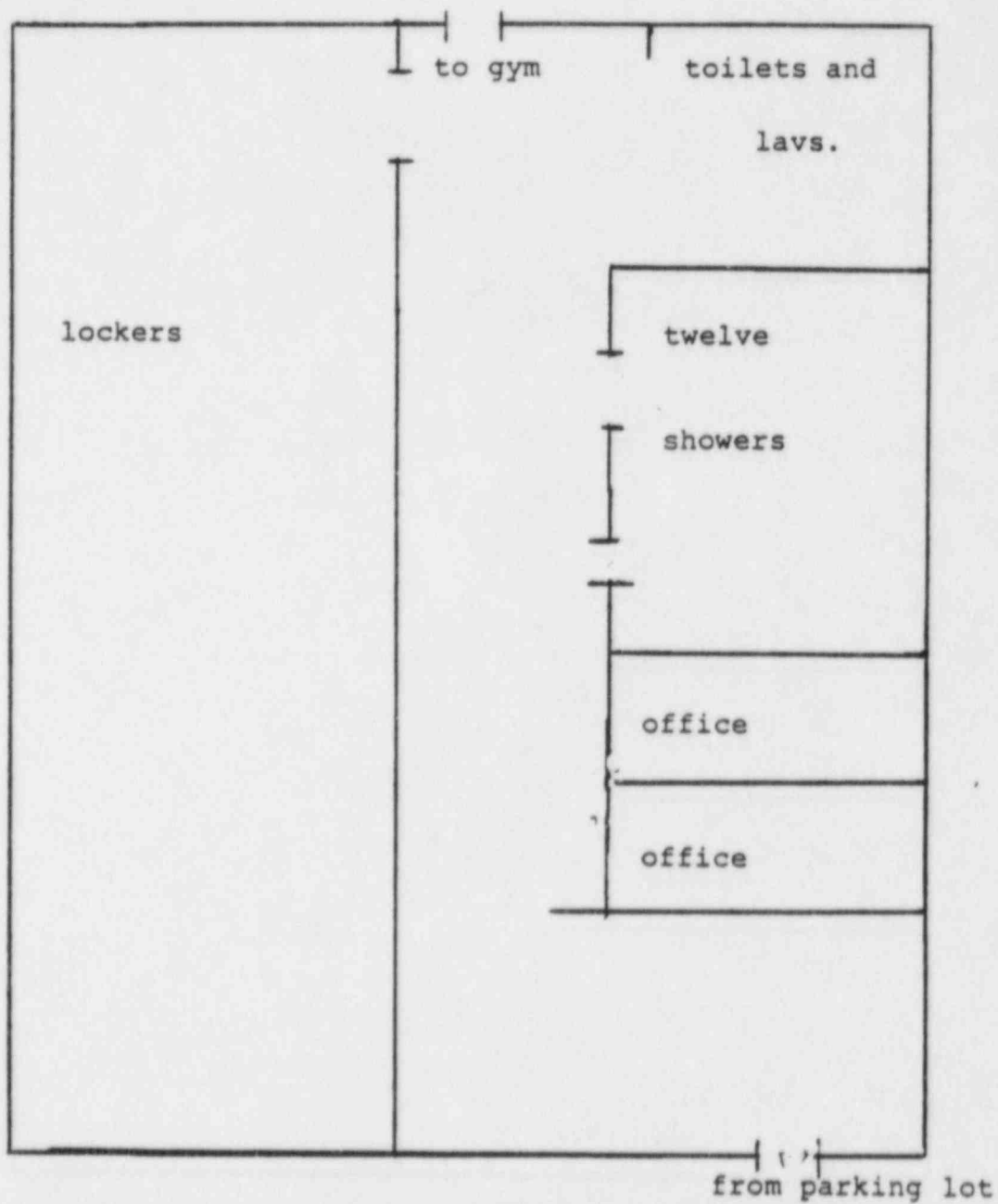
Take exit 2 from I-93 on to Route 97 (Main Street) going east.
Turn right on to Geremonty Drive (just after the Public Library on
Main Street). The High School is ahead on the right.



Girl's Locker Room



Boy's Locker Room



DAILY DOSIMETER LOG

Today's Date:

DAILY DOSIMETER LOG

Name: _____ Date of Birth: _____ Age: _____

Social Security Number: TLD Badge Number:

0-200 mR Dosimeter - Serial # _____

[illegible][illegible]

0-20R Dosimeter - Serial # _____

Initial Reading (I) Final Reading (F) Exposure (F-I)

	TOTAL EXP.

APPENDIX G

OFF-SITE MONITORING TEAM KIT - INVENTORY

1. 12 Pens
2. 12 Pencils
3. 6 Magic Markers
4. 25 Blank Survey Forms
5. 23 Pads Community Survey Maps
6. 1 Box D-Cell Batteries
7. 1 MA State Map
8. 1 NH State Map
9. 1 Box Spare Fuses
10. 1 Box Examination Gloves
11. 100 Foot of Radiation Rope
12. 2 Rolls of Masking Tape
13. 2 Rolls of Duct Tape
14. 1 Eberline E-140 Portable Count Rate Meter
15. 2 Eberline HP-210L Shielded Probes and Holder
16. 2 BNC Cables (Spares)
17. 2 Boxes of Particulate Filters
18. 1 DC Cable Air Samplers
19. 25 Silver Ziolite Cartridges
20. 3 Spare Air Sampling Heads
21. 25 Sample Zip Lock Bags
22. 25 Glassine Envelopes
23. 1 Box of Smears
24. 10 Sample Logs
25. 1 Eberline R02-A Ion-chamber
26. 2 Check Sources (CS-137 - CL-36)
27. 1 Stop Watch
28. 1 Tape Measure
29. 1 Tweezers
30. 1 Dosimeter Charger
31. 1 Copy of ER-5.2
32. 1 VHF Portable Radio

ADDITIONAL EQUIPMENT: (available as needed)

1. 3 Full Face Respirators
2. 3 Iodine Canisters
3. 6 Sets of Protective Clothing (Paper)
4. 25 Pairs of Plastic Shoe Covers
5. 3 Pairs of Boots
6. Dosimetry

APPENDIX H

PLANT STATUS REPORT

1. Date _____ Time _____

2. Classification Level.

☐ Unusual Event

☐ Alert

☐ Site Area Emergency

☐ General Emergency

3. Meteorological Conditions.

Wind speed _____ mph

Wind direction from _____

Stability class _____

Precipitation _____

4. Radioactivity ☐ has been released.
☐ has not been released.

Time commenced: _____

Release terminated: ☐ Yes ☐ No

Time terminated: _____

Anticipated or known duration of release _____ hours

Projected dose rate and doses:

	Arrival Time	Dose Rate (Rem/hr)		Integrated Dose (Rem)	
		Whole Body	Thyroid	Whole Body	Thyroid
Site Boundary	_____	_____	_____	_____	_____
2 miles	_____	_____	_____	_____	_____
5 miles	_____	_____	_____	_____	_____
10 miles	_____	_____	_____	_____	_____

Affected sectors: _____

5. Airborne Release Information.

Elevation of release: _____ ft.

Release rate noble gas: _____ Ci/sec

Release rate iodine: _____ Ci/sec

Release rate particulate: _____ Ci/sec

6. Waterborne Release Information:

Volume: _____ liters

Concentration _____ uCi/cm³

7. Surface Spill Information:

Volume: _____ liters

Concentration: _____ uCi/cm³

Location: _____

8. Surface Contamination:

a. Onsite: _____ dpm/100cm²
Location: _____

b. Offsite: _____ dpm/100cm²
Location: _____

9. Brief Description (Accident, Plant Status):

10. Seabrook Station Emergency Response Actions in Progress:

11. Seabrook Station Recommended Protective Actions:

Towns

Shelter: [Brentwood] [East Kingston] [Exeter] [Greenland] [Kingston]
[New Castle] [Northhampton] [Portsmouth] [Seabrook] [Stratham]
[Hampton] [Hampton Falls] [Kensington] [Newfields] [Newton]
[Rye] [South Hampton].

Evacuate: [Brentwood] [East Kingston] [Exeter] [Greenland] [Kingston]
[New Castle] [Northhampton] [Portsmouth] [Seabrook] [Stratham]
[Hampton] [Hampton Falls] [Kensington] [Newfields] [Newton]
[Rye] [South Hampton].

12. Prognosis for Worsening or Termination:

APPENDIX I
RADIOLOGICAL EMERGENCY RESPONSE
DPHS LOG

Position: _____

Date: _____

Page ____ of ____ Pages

TIME

FROM - TO

DISCUSSION SUMMARY

11/18/85

APPENDIX J

GOVERNOR'S SUMMARY OF STATUS REPORT

1. As of _____ (time), we are at the [UNUSUAL EVENT] [ALERT] [SITE AREA EMERGENCY] [GENERAL EMERGENCY] level.
2. The accident involves

3. At this time there has been [a] [no] release of radioactive materials. SS foresees [no] [a near term] [a long term] possibility of a release.
4. Prevailing winds are toward the _____ at _____ mph. This means that the plume [will] [could] traverse the towns of [Brentwood] [East Kingston] [Exeter] [Greenland] [Kingston] [New Castle] [Northhampton] [Portsmouth] [Seabrook] [Stratham] [Hampton] [Hampton Falls] [Kensington] [Newfields] [Newton] [Rye] [South Hampton].
5. At this time there is [a] [no] need for protective actions.
6. We recommend
 - a. Public notification.
 - b. Control of access to the EPZ.

- c. Sheltering of people in [Brentwood] [East Kingston] [Exeter]
[Greenland] [Kingston] [New Castle] [Northhampton]
[Portsmouth] [Seabrook] [Stratham] [Hampton] [Hampton Falls]
[Kensington] [Newfields] [Newton] [Rye] [South Hampton].
- d. Evacuation of people in [Brentwood] [East Kingston] [Exeter]
[Greenland] [Kingston] [New Castle] [Northhampton]
[Portsmouth] [Seabrook] [Stratham] [Hampton] [Hampton Falls]
[Kensington] [Newfields] [Newton] [Rye] [South Hampton].

7. The ECC is [partially] [fully] operational.

The following agencies are present

Division of Public Health	Welfare
Civil Defense Agency	Red Cross
State Police	State Highways
National Guard	Pupil Transportation Safety
Emergency Medical Services	Fish & Game
Agriculture	Department of Resources &
Civil Air Patrol	Economic Development
Boating Safety	Water Supply & Pollution
U.S. Coast Guard	Control

8. The [EOC] [IFC] [Media Center] [is] [are] [are not] staffed at this time.

9. Public notification [has] [has not] been initiated as of _____ (time). We [do] [do not] recommend a press briefing at this time. The last briefing was given at _____ (time).

10. We have communicated with [MA ECC] [FEMA/NRC] [EPA (New England Compact)].

APPENDIX K

Potassium Iodide (KI) Administration

1. PURPOSE:

This procedure provides guidance and instruction for the authorization, distribution and administration of radioprotective drugs (Potassium Iodide - KI) to local and state emergency workers.

2. RESPONSIBILITIES:

- A. The DHPS Director is responsible for authorizing emergency workers to take KI.
- B. The NHCEA Director is responsible for informing local EOC's of the decision to take KI.
- C. The local EOC RADEF officers are responsible for informing local EOC emergency workers of the decision to take KI.
- D. The IFO/EOF Coordinator is responsible for informing state emergency workers of the decision to take KI.
- E. The IFO/EOF RHTA is responsible for the administrative coordination of the issuance of KI.
- F. The state and local emergency workers are responsible for maintaining their KI record sheets.

3. ACTIONS:

The following actions are to be taken by the local EOC Radef Officers and the IFO/EOF Field Monitoring Team/Decontamination Coordinator:

Predistribution

- A. Upon arrival at the EOC, remove the KI tablet bottles from their storage location and verify that the bottles have not exceeded their shelf life. If bottles are out-of-date, contact the DHPS Director for replacement supplies.
- B. Advise each emergency worker that the use of KI is voluntary. Review the KI Consent Form (Attachment 1) and ensure the individual signs the form.
- C. Issue ONE KI tablet to each emergency worker and tell them NOT to take the tablet unless directed by their supervisor.

CAUTION

EACH INDIVIDUAL WILL BE GIVEN ONE (1) KI TABLET; HOWEVER, THEY SHOULD NOT SWALLOW THE TABLET UNTIL TOLD TO DO SO BY THEIR SUPERVISOR.

DO NOT DISTRIBUTE ANY TABLETS THAT ARE BEYOND THEIR INDICATED EXPIRATION DATE.

- D. Make an entry on the individual's Potassium Iodide Record Sheet (Attachment 2) indicating the distribution of the tablet, log the results on both the individual's and record copies. IF they are told to take the first tablet, instruct the individual to report the following day (with his copy of the record sheet) to receive the next tablet.
- E. Ensure copies of all records (Attachments 1 and 2) are forwarded to the IFO/EOF RHTA.

KI Issuance Criteria

- A. IFO/EOF RHTA
 - 1) Complete the KI Worksheet (Attachment 3).
 - 2) Upon the determination of the need for emergency workers to take KI, recommend that the IFO/EOF Coordinator receive authorization from the DPHS Director.

NOTE: The effectiveness of KI to block the uptake of radiiodines diminishes with time after initial exposure. Therefore, the decision of when to issue KI will consider the time available for maximum effectiveness according to the following guidelines:

- a) Within one hour after exposure90% effective.
- b) 3-4 hours after exposure50% effective.
- c) 12 hours after exposurevery small effect.

KI Use Criteria

- A. Emergency Workers:
 - 1) Upon proper authorization and notification from the local EOC Radiol Officer as IFO/EOF Coordinator, take their KI tablets.
 - 2) Complete Attachment 2, KI Record Sheet.
 - 3) Report to your EOC as IFO/EOF the next day to receive the second tablet. Bring your copy of Attachment 2.

KI Post-Use Criteria

A. Emergency Workers:

1) After all emergency workers have been told to take their first KI tablet, provisions for continual administration of KI should be made. Each emergency worker should receive one tablet per day for the next nine days.

APPENDIX K

Attachment 1

POTASSIUM IODIDE ACKNOWLEDGEMENT FORM

I will not take my first KI tablet until I receive instructions to do so. If instructed to do so, I, _____, understand that in order to obtain maximum protection for the thyroid I will receive 130 milligrams per day for the next 10 days of the thyroid blocking agent potassium iodide. I have been informed that this drug will block the absorption of radio-iodine by my thyroid and thereby reduce the exposure to radiation of the thyroid; that potassium iodide does not reduce the uptake of other radioactive materials by the body; nor, does it provide protection against exposure from external radiation. I have been told that if I am allergic to iodide that I should not take potassium iodide.

SIGNATURE _____

DATE _____

When completed, copies of this form should be forwarded to the IFO/EOF RHTA.

11/19/85

APPENDIX K

Attachment 2

POTASSIUM IODIDE RECORD SHEET

Name _____ Soc Sec # _____

Employee Number _____ Department _____

CAUTION

DO NOT SWALLOW THE FIRST KI TABLET UNTIL TOLD
TO DO SO BY YOUR SUPERVISOR.

IF YOU FEEL SICK, REPORT YOUR CONDITION TO YOUR
SUPERVISOR, IMMEDIATELY.

You have just received 130 mgs. of the thyroid blocking agent KI. In order to be most effective you should receive an additional nine (9) doses over the next 9 days. Each day for the next 9 days, take this form and report to the _____ for a thyroid count and another KI pill.

<u>Date</u>	<u>Thyroid Count Results</u> <u>(Date, Time, Initials)</u>	<u>130 mg KI Tablet</u> <u>Administered</u> <u>(Date, Time, Initials)</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____

When completed, copies of this form should be forwarded to the IFO/EOF RHTA.

11/18/85

APPENDIX K

Attachment 3

POTASSIUM IODIDE WORKSHEET

1. Location surveyed or area entered _____
2. Task _____ Date _____ Time _____
3. Team members _____

3. I-131 concentration in the affected area: _____ uCi/cc
4. Protection factor (see table below): _____

TYPE UNIT	MODE*	PROTECTION FACTOR
Facepiece, half-mask	CF	1000
Facepiece, half-mask	D	10
Facepiece, full	CF	2000
Facepiece, full	D	50
Facepiece, full	PD	2000

* The mode symbols are defined as follows:

CF = Continuous flow

D = Demand

PD = Pressure demand (i.e., always positive pressure)

APPENDIX K

Attachment 3
(Continued...)

POTASSIUM IODINE WORKSHEET

5. a. Inhaled I-131 concentration

Item 3/item 4 = _____ uCi/cc

NOTE: If I-131 concentration data is unavailable, record gamma exposure rate below.

- b. Gamma Exposure Rate = _____ mr/hr

6. Length of time individual(s) will be or was in affected area = _____ minutes.

7. Projected thyroid dose (use a, or b in that order).

- a. Using item 5a and 6, indicate the thyroid dose on the thyroid graph. Circle one below.

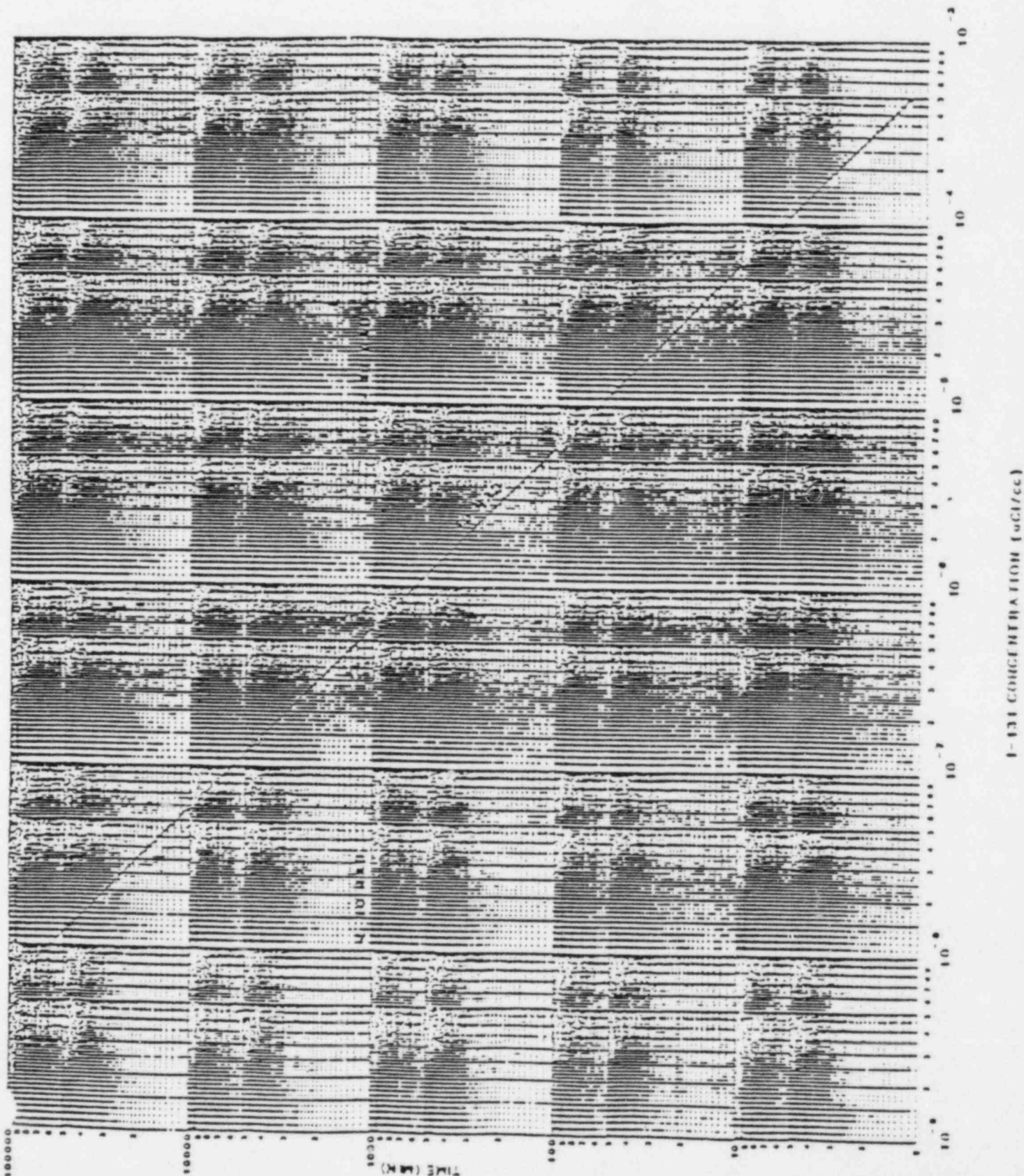
Thyroid dose greater than/equal/less than 10 rem

- b. Using items 5b and 6, indicate the thyroid dose on the gamma exposure rate graph (attached).

Adult thyroid dose = _____ rem

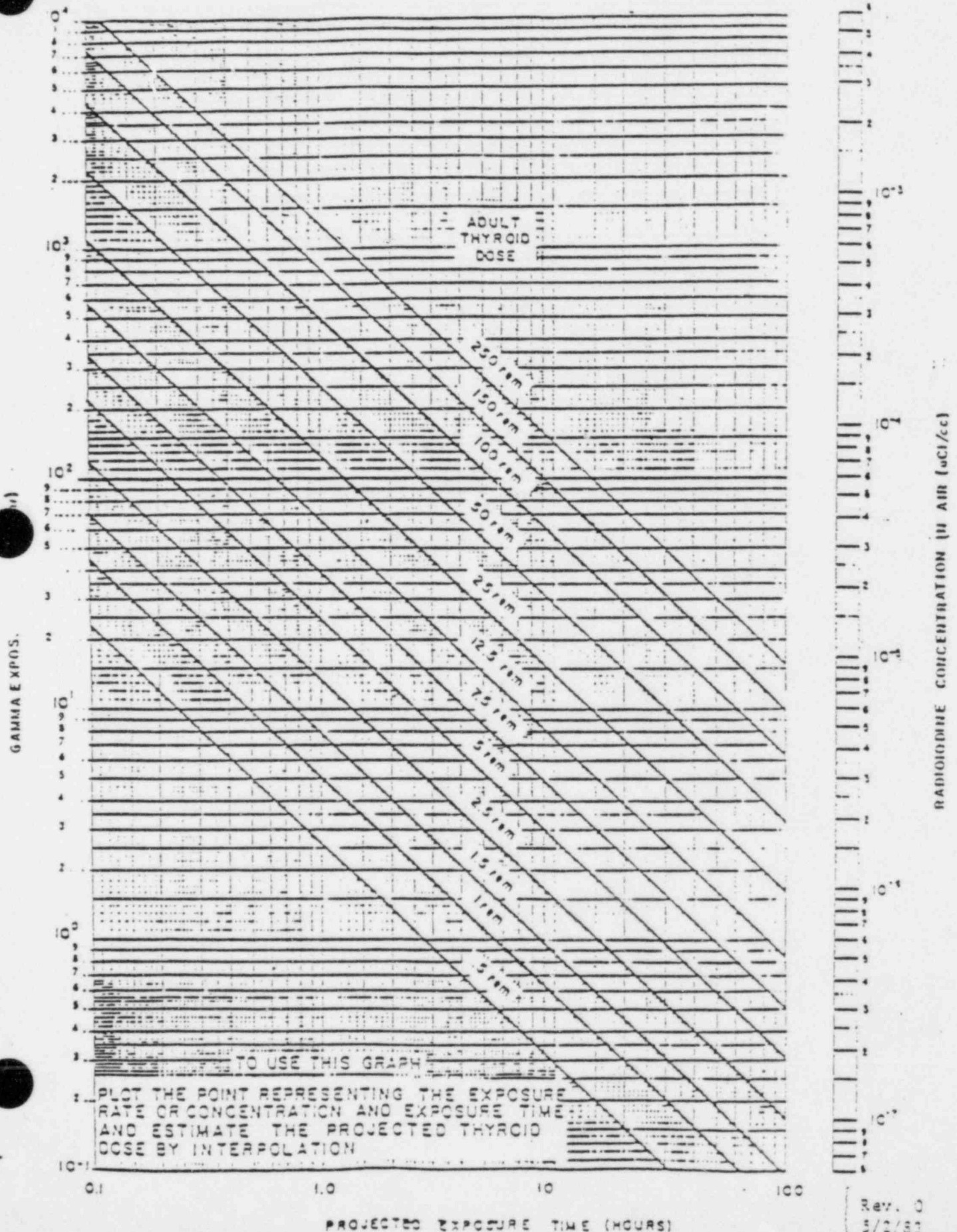
8. If thyroid absorbed dose to an individual(s) is projected to be or is greater than 10 rem, initiate potassium iodide tablet distribution.

THYROID GR

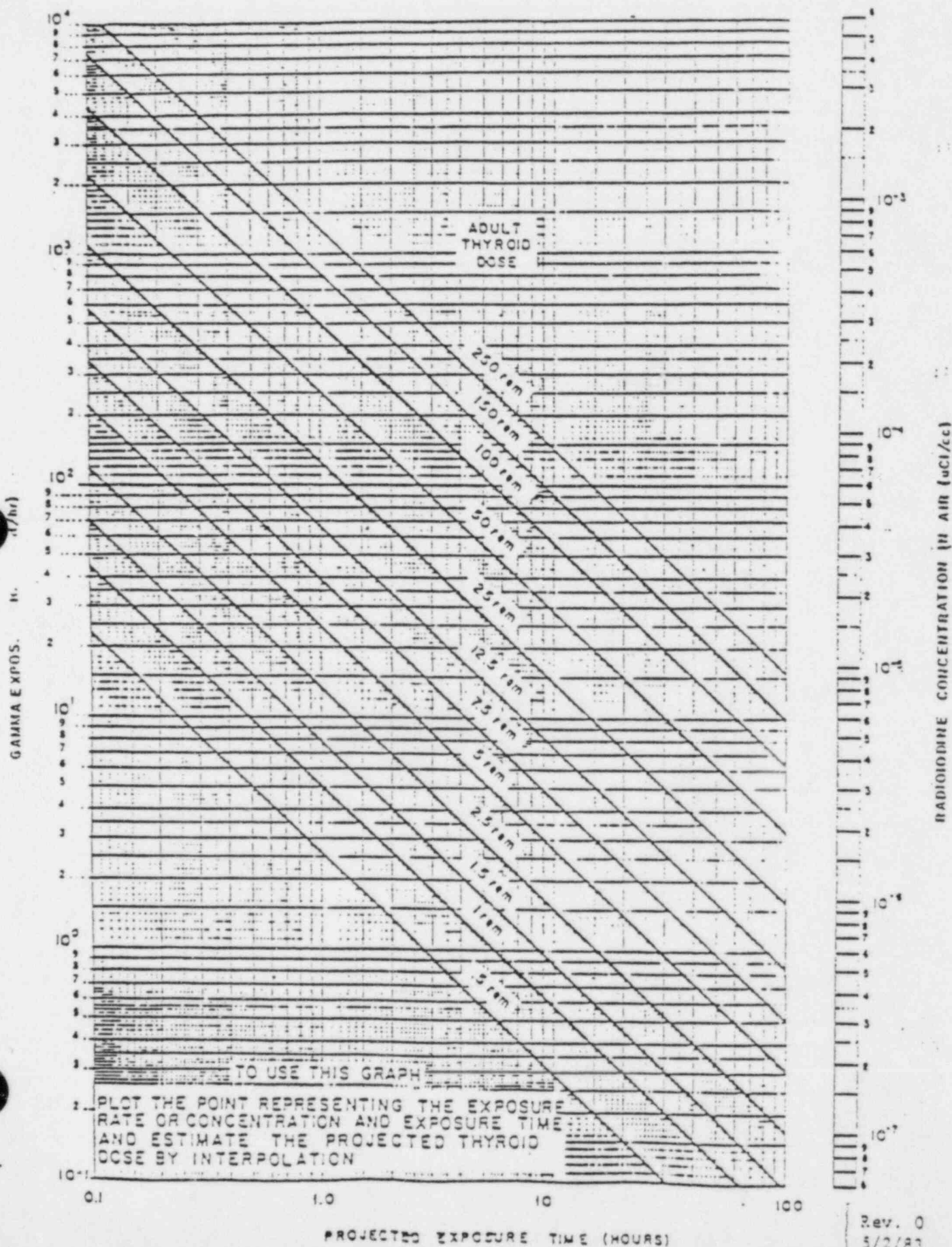


Rev. 0
5/2/83
11/18/85

GAMMA EXPOSURE RATE GRAPH



GAMMA EXPOSURE RATE GRAPH



MANUFACTURERS BROCHURE

Please Read and Understand For

THYRO-BLOCK™

POTASSIUM IODIDE
Equivalent to 130 mg. Potassium Iodide
(Equivalent to 65 mg. Potassium Iodide)
TABLETS and SOLUTION U.S.P.

TAKE POTASSIUM IODIDE ONLY WHEN PUBLIC HEALTH OFFICIALS TELL YOU, IN A RADIATION EMERGENCY, RADIOACTIVE IODINE COULD BE RELEASED INTO THE AIR. POTASSIUM IODIDE IN FORM OF IODINE CAN HELP PROTECT YOU.

IF YOU ARE TOLD TO TAKE THIS MEDICINE, TAKE IT ONE TIME. TRY IN 24 HOURS. DO NOT TAKE IT MORE OFTEN. MORE WILL NOT HELP YOU AND MAY INCREASE THE RISK OF SIDE EFFECTS. DO NOT TAKE THIS DRUG IF YOU KNOW YOU ARE ALLERGIC TO IODINE. (SEE SIDE EFFECTS BELOW)

INDICATIONS THYROID BLOCKING IN A RADIATION EMERGENCY ONLY.

DIRECTIONS FOR USE

Use only as directed by State or local public health authorities in the event of a radiation emergency.

DOSE

Tablets: ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. Crush for small children.
BABIES UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day. Crush first.

Solution: ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: Add 6 drops in one-half glass of liquid and drink each day.
BABIES UNDER 1 YEAR OF AGE: Add 3 drops to a small amount of liquid once a day.

For all dosage forms: Take for 10 days unless directed otherwise by State or local public health authorities.

Store at controlled room temperature between 15° and 30°C (59° to 86°F). Keep container tightly closed and protect from light. Do not use the solution if it appears discolored in the package or the bottle.

WARNING

Potassium iodide should not be used by people allergic to iodine. Keep out of the reach of children. In case of an allergic or allergic reaction, contact a physician or the public health authority.

DESCRIPTION

Each THYRO-BLOCK™ TABLET contains 130 mg. of potassium iodide.

Each drop of THYRO-BLOCK™ SOLUTION contains 21 mg. of potassium iodide.

HOW POTASSIUM IODIDE WORKS

Certain forms of iodine help your thyroid gland work better. Most people get the iodine they need from foods, like iodized salt or fish. The thyroid can "store" or hold only a certain amount of iodine.

In a radiation emergency, radioactive iodine may be released in the air. This material may be breathed or swallowed. It may enter the thyroid gland and damage it. The damage would probably not show itself for years. Children are most likely to have thyroid damage.

If you take potassium iodide, it will fill up your thyroid gland. This prevents the chance that harmful radioactive iodine will enter the thyroid gland.

WHO SHOULD NOT TAKE POTASSIUM IODIDE

The only people who should not take potassium iodide are people who know they are allergic to iodine. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or antithyroid drug). Pregnant and nursing women and babies and children may also take this drug.

HOW AND WHEN TO TAKE POTASSIUM IODIDE

Potassium iodide should be taken as soon as possible after public health officials tell you. You should take one dose every 24 hours. More will not help you because the thyroid can "hold" only limited amounts of iodine. Larger doses will increase the risk of side effects. You will probably be told not to take the drug for more than 10 days.

SIDE EFFECTS

Usually, side effects of potassium iodide happen when people take higher doses for a long time. You should be careful not to take more than the recommended dose or take it for longer than you are told. Side effects are usually because of the high dose and the longer time you will be taking the drug.

Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (irritation of the mouth, throat and nasal, sore throat and glands, irritation of a nose, cough, and sometimes swollen upper and lower lips).

A few people have an allergic reaction with more serious symptoms. There may be fever and joint pain or swelling at joints of the face and body and a skin rash. If you have any of these symptoms, get immediate medical attention.

Taking iodide may temporarily decrease the activity of the thyroid gland, underactivity of the thyroid gland, or enlargement of the thyroid gland (goiter).

WHAT TO DO IF SIDE EFFECTS OCCUR

If the side effects are severe or if you have an allergic reaction, stop taking potassium iodide. Then, if possible, call a doctor or public health authority for instructions.

HOW SUPPLIED

THYRO-BLOCK™ TABLETS (Potassium Iodide, U.S.P.) are supplied in 14 tablets (NDC 2027-0421 22). Each white round, scored tablet contains 130 mg. potassium iodide.

THYRO-BLOCK™ SOLUTION (Potassium Iodide, U.S.P.) is supplied in 100 mL (NDC 2027-0421 22). Each drop contains 21 mg. potassium iodide.

WALLACE LABORATORIES

Division of
CARTER WALLACE, INC.
Cincinnati, Ohio 45229

ON 10719-1079

MANUFACTURERS BROCHURE

Please Read and Understand For

THYRO-BLOCK™

POTASSIUM IODIDE
(potassium iodide monohydrate) U.S.P.
TABLETS AND SOLUTION U.S.P.

TAKE POTASSIUM IODIDE ONLY WHEN PUBLIC HEALTH OFFICIALS TELL YOU, IN A RADIATION EMERGENCY, RADIOACTIVE IODINE COULD BE RELEASED INTO THE AIR. POTASSIUM IODIDE (A FORM OF IODINE) CAN HELP PROTECT YOU.

IF YOU ARE TOLD TO TAKE THIS MEDICINE, TAKE IT ONE TIME EVERY 24 HOURS. DO NOT TAKE IT MORE OFTEN. MORE WILL NOT HELP YOU AND MAY INCREASE THE RISK OF SIDE EFFECTS. DO NOT TAKE THIS DRUG IF YOU KNOW YOU ARE ALLERGIC TO IODIDE (SEE SIDE EFFECTS BELOW).

INDICATIONS

THYROID BLOCKING IN A RADIATION EMERGENCY ONLY.

DIRECTIONS FOR USE

Use only as directed by State or local public health authorities in the event of a radiation emergency.

DOSE

Tablets: ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. CHILDREN UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day. CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. CHILDREN UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day. CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. CHILDREN UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day.

Solution: ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: Add 5 drops in one-half glass of liquid and drink each day. BABIES UNDER 1 YEAR OF AGE: Add 3 drops in a small amount of liquid once a day.

For all dosage forms: Take for 10 days unless directed otherwise by State or local public health authorities.

Store at controlled room temperature between 15° and 30°C (59° and 86°F). Keep container tightly closed and protect from light. Do not use the solution if it appears opaque or if the bottle is broken.

WARNING

Potassium iodide should not be used by people allergic to iodine. Keep out of the reach of children. In case of overdose or allergic reaction, contact a physician or the public health authorities.

DESCRIPTION

Each THYRO-BLOCK™ TABLET contains 100 mg. of potassium iodide.

Each drop of THYRO-BLOCK™ SOLUTION contains 65 mg. of potassium iodide.

HOW POTASSIUM IODIDE WORKS

Certain forms of iodine help your thyroid gland work right. Most people get the iodine they need from foods, like iodized salt or fish. The thyroid can "store" or hold only a certain amount of iodine.

In a radiation emergency, radioactive iodine may be released in the air. This iodine may be absorbed by the thyroid. It may enter the thyroid gland and damage it. The damage would probably not show itself for years. Children are most likely to have thyroid damage.

If you take potassium iodide, it will "fill" your thyroid gland. This reduces the chance that harmful radioactive iodine will enter the thyroid gland.

WHO SHOULD NOT TAKE POTASSIUM IODIDE

The only people who should not take potassium iodide are those who know they are allergic to iodine. You may have an allergic reaction if you are taking medicines for a thyroid problem or if you have a thyroid problem or a thyroid problem. Pregnant and nursing women and babies and children may also have a reaction.

HOW AND WHEN TO TAKE POTASSIUM IODIDE

Potassium iodide should be taken as soon as possible after public health officials tell you. You should take one dose every 24 hours. More will not help you because the thyroid can "hold" only a certain amount of iodine. Later doses will increase the risk of side effects. You will probably be told not to take the drug for more than 10 days.

SIDE EFFECTS

Usually, side effects of potassium iodide happen when people take the drug for a long time. You should be careful not to take more than the recommended dose or take it for longer than you are told. Side effects are usually because of the high dose and the short time you will be taking the drug.

Possible side effects include skin rash, swelling of the salivary glands, and "iodism" (swelling of the thyroid gland and lymph nodes, nose and throat, symptoms of a nose cold, and sometimes stomach upset and diarrhea).

A few people have an allergic reaction with more serious symptoms. These could include swelling of the throat and difficulty breathing, hives and rash, and a severe allergic reaction. If you have any of these symptoms, stop taking the drug and get medical attention.

Taking iodide may temporarily change the results of the thyroid gland, especially if the thyroid gland is enlarged or if the thyroid gland is diseased.

WHAT TO DO IF SIDE EFFECTS OCCUR

If the side effects are severe or if you have an allergic reaction, stop taking potassium iodide. Then, if possible, call a doctor or public health authorities for instructions.

HOW SUPPLIED

THYRO-BLOCK™ TABLETS (Potassium Iodide, U.S.P.) contain 100 mg. of potassium iodide. Each white, round, scored tablet contains 100 mg. potassium iodide.

THYRO-BLOCK™ SOLUTION (Potassium Iodide, U.S.P.) contains 65 mg. of potassium iodide. Each drop contains 65 mg. potassium iodide.

WALLACE LABORATORIES

Div. of

CARTER WALLACE, INC.

2000 North 1st Street, St. Louis, MO 63102

© Wallace Laboratories, Inc. 1985

Rev. 0

5/2/83

11/18/85

APPENDIX L

EMERGENCY EXPOSURE AUTHORIZATION FORM

Employee _____

Social Security # _____

TLD Badge # _____

Present Accumulated Dose to Date _____

Increased Dose Limit:

_____ (Rem) Whole Body

_____ (Rem) Skin

_____ (Rem) Thyroid

Approved: _____
DPHS Director Date/Time

Approved: _____
IFO/EOF Coordinator Date/Time

CAUTION

AUTHORIZED EXCESSIVE EXPOSURE AS FOLLOWS:

For Life Saving Activities where there is no
time for adequate planning and protection:

75 REM WHOLE BODY
NO LIMIT THYROID

For substantial reduction of public exposure
where there is no time for adequate planning
and protection:

25 REM WHOLE BODY
125 REM THYROID

When completed, forward to the IFO/EOF RHTA.

THE

NEW ENGLAND INTERSTATE
RADIATION ASSISTANCE PLAN

Approved 10/80
N.E. Radiological
Health Committee

Rev./Posted
12/28/82
11/14/85

NEW ENGLAND INTERSTATE RADIATION ASSISTANCE PLAN

ARTICLE I - AUTHORITY

This plan is authorized by the New England Compact on Radiological Health Protection, as approved by the legislatures and Governors of the several party States. The Act was first passed in the State of Maine on March 1, 1967, and subsequently passed by the State of Vermont on March 14, 1967, Rhode Island on April 5, 1967, New Hampshire on July 18, 1967, Massachusetts on December 20, 1967, and Connecticut on May 24, 1969. The Compact became official with the passage of the second cooperating state. The Compact, as signed into law in each of the states, followed essentially the same format as developed by the New England Radiological Health Committee (NEREC). The NEREC is composed of the six New England Radiation Control Program Directors, the FDA Regional Radiological Health Representative and the EPA Regional Radiation Representative. The Compact also allows that any state not mentioned above which is contiguous to any party state may become a party to this Compact by enacting the same.

ARTICLE II - PURPOSE

The purpose of this plan is to delineate the manner in which the New England Compact on Radiological Health Protection will be implemented. The purpose of the New England Compact is to (a) promote the Radiological Health Protection of the public, and individuals within party states, (b) provide mutual aid and assistance in radiological health matters including, but not limited to, radiation incidents, and (c) encourage and facilitate the efficient use of personnel and equipment by furthering the orderly acquisition and sharing of resources useful for programs of radiation protection. This plan outlines the manner in which this interstate mutual aid and assistance and exchange of personnel will be accomplished. This plan includes specific information on the channels of communication among the states, the availability of equipment, and laboratory capabilities, the procedures for requesting assistance from the party states and notifying party states of radiological incidents, as well as clarification of the procedures of the loan of personnel and equipment, and financial obligations encountered.

ARTICLE III - DELEGATION OF AUTHORITY

The Compact Administrator or designee for each party state shall notify the Secretary of the NEREC of the identity of any subordinate or subordinates to whom his authority as Compact Administrator has been delegated. (See Appendix I.)

ARTICLE IV - COMMUNICATIONS AND EXCHANGE OF PLANS

Each Compact Administrator or Designee shall provide the home and office telephone number of himself or herself and/or such staff members as he or she may designate as emergency contacts. In addition, he or she shall provide a second channel of communication such as the State Police which will be operative 24 hours a day for seven days a week, and shall arrange within his or her state for emergency communications to reach a responsible staff member. Each Compact Administrator shall notify the Secretary of the above designation; and this information shall be updated at least annually in Appendix I of this plan.

ARTICLE V - LISTINGS OF EQUIPMENT AND LABORATORY CAPABILITIES

Each Compact Administrator shall transmit to the Secretary a listing of available field survey equipment including range, other emergency equipment, and a listing of available laboratory capabilities by type of analysis (i.e., gross alpha, gross beta, gamma spectroscopy, etc.). Such listings shall be updated annually or more often if conditions warrant. (See Appendix II, and Appendix III.)

ARTICLE VI - REQUEST FOR ASSISTANCE

- a) Upon determination by a Compact Administrator or Delegate that a radiation incident has taken place within his/her state of a magnitude sufficient to require additional personnel or equipment, the Compact Administrator or Delegate should contact the Secretary to request such aid as he/she deems necessary. The Secretary shall contact such other party state/states to request aid as he/she judged to be best able to assist under the circumstances. The state/states receiving such a request should respond with personnel and/or equipment to the best of their ability, while maintaining sufficient capability for the protection of the public health within their own state. At the time of the request, said personnel should be advised of their assigned tasks and of the location and individual to which they are to report. Provisions for further briefing, when necessary, may also be arranged at the time of such request.
- b) Any state responding to a request for aid under this plan shall operate while in a party state, in accordance with the radiation incident plan of that state.
- c) Reimbursement by the state receiving aid or assistance under this Article for any loss or damage to, or expense incurred in the operation of any equipment; for cost of all materials, transportation and maintenance of officers, employees, and equipment; and for any compensation or benefits for injuries or death incurred by officers or employees of an aiding state shall be in accordance with Article X.

ARTICLE VII - NOTIFICATION

The notification to other party states under this plan shall be made directly by the Compact Administrator or Designee; and such notification shall also be made to the Secretary, New England Radiological Health Committee.

ARTICLE VIII - LOAN OF FACILITIES AND EQUIPMENT, LABORATORY ANALYSIS AND EXCHANGE OF DATA

- a) Facilities and equipment specified in Article V of this plan may be loaned in accordance with either of the two following situations; (1) one in which the requested state is not affected by the incident in question; and, (2) one in which the requested state is or could possibly be affected by the incident in question. (See Appendix II and Appendix III.) The requesting state shall reimburse the lending state in accordance with Article X.
- b) Laboratory analyses may be performed by the requested state under conditions specified in paragraph (a) above. (See Appendix III.)
- c) Requests for assistance, exchange of data or other pertinent information may be accomplished utilizing forms in Appendix IV through the Secretary of the NERHC. Transmission shall be by the most expeditious means of communication available.

ARTICLE IX - LOAN OF PERSONNEL

Professional or technical personnel having special skills or training related to radiation protection may be made available to a party state upon request. Such requests should be transmitted through the NERHC Secretary, and have approval of the respective Compact Administrators or Designees. The requesting state shall reimburse the lending state in accordance with Article X.

ARTICLE X - CHARGES FOR EQUIPMENT AND PERSONNEL

- a) The state receiving aid or assistance shall reimburse the state rendering aid or assistance for any loss or damage incurred in the operation of any equipment.
- b) The state receiving aid or assistance shall pay for the cost of transporting and maintaining all officers and employees of the state rendering aid in accordance with the rendering state's Rules and Regulations, or those of the state receiving aid-whichever is greater.

- (4)
- c) The party state borrowing personnel shall reimburse the state loaning the personnel at the same annual rate as the personnel are receiving in their own state. The borrowing state shall pay for the cost of maintaining such personnel in accordance with Article X, Section (b).
 - d) Nothing contained herein in Article X shall prevent any assisting party state from assuming the costs incurred under Sections (a), (b), and (c) of Article X.

ARTICLE XI - UPDATES AND REVISIONS

The Secretary of the NEREC shall be responsible for updating Appendicies I and II on an annual basis and the remaining appendices when appropriate. In addition, the members of the NEREC shall notify the Secretary of changing situations that may affect any of the items covered under the Compact. If needed, the Secretary can form a subcommittee to rewrite appropriate sections of the plan. Revised appendices will be forwarded to all plan holders at the beginning of each calendar year.

NEW ENGLAND COMPACT

APPENDIX I

EMERGENCY CONTACT LISTING

FEDERAL CONTACT LISTING

ENVIRONMENTAL PROTECTION AGENCY

Primary Contact

Byron Keene
Office of Radiation & Noise
Business # (617) 223-5785, 5708 | 1
Home # (617) 729-8356

Other Emergency Contact

Paul Bedrosian
Business # (617) 223-4448 | 1
Home # (617) 475-2668

24-Hour-A-Day Contact

Oil & Hazardous Materials Duty
Officer
(617) 223-7265

FOOD AND DRUG ADMINISTRATION

Primary Contact

Warren Church
Business # (617) 223-3178
Home # (617) 664-5307

Other Emergency Contacts
(in order of priority)

Neil Gaeta
Business # (617) 729-5700
Home # (617) 488-7081

Edward Baratta
Business # (617) 729-5700
Home # (617) 729

Paul Bolin
Business # (617) 729-5700
Home # (603) 434-0596

APPENDIX I

CONNECTICUT

Compact Administrator

Commissioner of Environmental Protection
Stanley J. Pac
Business Tel: (203) 566-2110

Person to Whom Authority
is Delegated

Arthur T. Heubner
Business Tel: (203) 566-5668, 5134
Home Tel: (203) 521-5050

Other Emergency Contacts
(in order of priority)

Kevin T. A. McCarthy
Business Tel: (203) 566-5668, 5134
Home Tel: (203) 487-0305

Donald Karm
Business Tel: (203) 566-5668, 5134
Home Tel: (203) 288-1214

Joseph R. Smolen
Business Tel: (203) 566-5668, 5134
Home Tel: (203) 526-9294

8:30 to 4:30 Contact

Radiation Control Office
Hartford, CT
(203) 566-5668, 5134

24-Hour-A-Day Contact

Connecticut State Police
(203) 566-4240
Ask for Executive Officer

MAINE

Contact Administrator

Commissioner, Department of Human Services
Michael R. Pettit
Business Tel: (207) 289-2736

Person to Whom Authority
is Delegated

Donald Hoxie
Business Tel: (207) 289-3826
Home Tel: (207) 622-7443

| 2

Other Emergency Contacts
(in order of Priority)

Wallace Hinckley
Business Tel: (207) 289-3826
Home Tel: (207) 377-8834

| 2

Russell Martin
Business Tel: (207) 289-3826
Home Tel: (207) 622-1258

| 2

John Cameron
Business Tel: (207) 289-3826
Home Tel: (207) 622-9536

24-Hour-A-Day Contact

Maine State Police
(207) 289-2133

Business Hours: 8:00 - 5:00

12/82
Rev. 2

MASSACHUSETTS

Compact Administrator

Commissioner, Department of Public Health
Alfred L. Frechette, M.D.
Business Tel: (617) 727-2700

Person to Whom Authority

Robert M. Hallisey
Business Tel: (617) 727-6214, 9710 | 1
Home Tel: (617) 729-5728

Other Emergency Contacts
(in order of priority)

George Swible
Business Tel: (617) 727-6214, 9710 | 1
Home Tel: (617) 387-7768

Robert Watkins
Business Tel: (617) 727-6214, 9710 | 1
Home Tel: (617) 832-3378

William Bell
Business Tel: (413) 545-2563
Home Tel: (413) 773-7858 | 1

Agostino Savastano
Business Tel: (617) 727-6214, 9710 | 1
Home Tel: (617) 331-6911

Thomas O'Connell
Business Tel: (617) 727-6214, 9710 | 1
Home Tel: (617) 754-6624

24-Hour-A-Day Contact

Massachusetts State Police
(617) 566-4300, Ext. 237 | 1

NEW HAMPSHIRE

Compact Administrator

Chief, Bureau of Environmental Health
John R. Stanton
Business Tel: (603) 271-4587
Home Tel: (603) 623-4743

Person to Whom Authority
is Delegated

Diane Taffet
Business Tel: (603) 271-4588
Home Tel: (603) 524-3356

Donald E. Halla
Business Tel: (603) 271-4585
Home Tel: (603) 622-9613

24-Hour-A-Day Contact

New Hampshire State Police
(603) 271-3636

RHODE ISLAND

Compact Administrator

Director, Department of Health
Joseph E. Cannon, M.D.
Business Tel: (401) 277-2231

Person to Whom Authority
is Delegated

James E. Hickey
Business Tel: (401) 277-2438
Home Tel: (401) 864-4732

Other Emergency Contacts
(in order of priority)

Charles McMahon
Business Tel: (401) 277-2438
Home Tel: (401) 949-3136

William P. Dundulis
Business Tel: (401) 277-2438
Home Tel: (401) 762-5738

24-Hour-A-Day Contact

Rhode Island State Police
(401) 647-3311

VERMONT

Compact Administrator

Commissioner, State Health Department
Lloyd F. Novick, M.D.
Business Tel: (802) 862-5701
Home Tel: (802) 425-3169

Person to Whom Authority
is Delegated

Raymond N. McCandless
Business Tel: (802) 828-2886
Home Tel: (802) 223-5075

Other Emergency Contacts

Paul Clemons
Business Tel: (802) 828-2886
Home Tel: (802) 592-3534

Deborah Voland
Business Tel: (802) 828-2886
Home Tel: (802) 462-2227

Daniel Higgins
(Brattleboro Office)
Business Tel: (802) 257-1750
Home Tel: (802) 257-1901

24-Hour-A-Day

Vermont State Police
(802) 828-2103

NEW ENGLAND COMPACT

APPENDIX II

INVENTORY

OF

RADIATION EVALUATION EQUIPMENT

RADIATION EVALUATION STATEMENT

STATE CONNECTICUT

Page 1

Date 12/80

Rev 0

Qty	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					Microwave
						Alpha	Beta	Gamma	X-ray	Neutron	
✓	GM	Eberline	E-530		X						
	a.) 4 HP-270 probes						24 K	200	200		
	b.) 1 HP-260 probe						cpm	mr/hr	mr/hr		
✓	GM	Eberline	E-120		X		50	50	50		
							mr/hr	mr/hr	mr/hr		
✓	Ion Chamber	Victoreen	470A		X		1000	1000	1000		
	a.) Will also detect high energy alpha.						R/hr	R/hr	R/hr		
✓	GM	Baird Atomic	420		X		100	100	100		
							mr/hr	mr/hr	mr/hr		
✓	GM/Scintillation	Eberline	RM-19		X	X	X	1.2 Meg	X		
	a.) 1 Eberline SPA-3 scintillation probe assembly, a 2 x 2 NaI Xtal							cpm per			
	b.) The RM-19 can be used with a GM probe and other alpha, beta, gamma probes.							mr/hr			
								Cs-137			
✓	Scintillation	Eberline	PAC-1 S		X	2 Meg					
			AGA			cpm					
✓	Ion Chamber	MDI Industries	MDI		X			999R	999R		
*	Dosimeter	Dendix	CIM-138		X			200 mr	X		
	Dosimeter	Landsverk	LC-50		X			200 mr	X		
*	Dosimeter	Landsverk	CIM-730		X			20 R			
	Dosimeter	Dendix	622		X			20 R			

Quantity	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
* Dosimeter		Landsverk	CDW-742		X			200 R			
Dosimeter		CapIntec	PHY-SFO 6		X			500 mr	500 mr		
Dosimeter		Bendix	1200-mr		X			200 mr	200 mr		
Dosimeter		Nuclear Assoc.	050		X			5 R	5 R		
* Dosimeters		Bendix	CDW-742		X			200 R			
Dosimeter Charger		Jordan	CDW-750		X						
Dosimeter Charger		Bendix			X						
* Dosimeter Charger		Victoreen	CDW-750		X						
Dosimeter Charger		Bendix	906-5		X						
Dosimeter Charger		CapIntec	CAT6 N192		X						

*Additional equipment of this type
available on short notice.

Quantity	Manufacturer	Model #	Lab.	Field	Radiation Evaluated				Micro.
					Alpha	Beta	Gamma	X-ray	Neutron
RF	Narda	8100		X					200 mW/cm ² 915 MHz Co
RF	Narda	8608		X					2450 MHz 20 mW/cm ² 10 MHz Co 18 GHz
a.) "E" Field and "H" Field b.) 8616 metering unit									
Air Samplers, fixed			X		X	X	X		
Pressurized Ionization Chamber with chart recorder and alarm setpoint				X			X		

Entity	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
					Alpha	Beta	Gamma	X-ray	Neutron	Microw.
Liquid Scintillation Automatic, Capacity: 200 Samples	Packard	3003	X			10 ⁶ cpm Low Energy				
Gamma Spectrometer System (Na I)	Tracor Northern	TN1700	X				X			
Gamma Spectrometer System (Ge-Li)	Canberra	S-80	X				X			
Radon Gas Counting System (Kovar Cell)	Johnson	LIRC-2	X		X					
Proportional Counter (PC)	Heckman	Wide Beta II	X		10 ⁶ cpm	10 ⁶ cpm				
Windowless Internal Proportional Counter (IPC)	Tracerlab	FC-180	X		10 ⁶ cpm					
Window Type Beta Counter (Low Bkg) (LHHC)	Tracerlab	339	X			10 ⁶ cpm				
Beta Counting System (Modified Pancake Probe/Holder)	Eberline	E-120	X			50K cpm	X	X		

RADIATION EVALUATION

Page 1

STATE MAINE

Date 12/26/83

Rev 2

Qty	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
	ZnS	Eberline	PAC-15A		X	2 R/hr					
	Ion Chamber	Victoreen	CIV-700		X	30,000 cpm					
	Onlie Pie Ion Chamber	Technical Associates	TAC-3		X		5000 mR/hr				
	Ion Chamber		CIV-715/ 720		X			0-500 R			
	Ion Chamber	MHI	1015		X			2mR-999R			
	Condenser R	Victoreen	570					0mR-10R			
	" "	Landsverk	LC-64		X			0mR-1000R			
	G.M. Thinwall	Victoreen	CIV-700		X			50 mR/hr			
	2x2 NaI microR	Johnson	GSP 2A		X			2-20 mR/hr			
	Air Sampler (120 VAC)	Radeco	RD-28B		X						
	Air Sampler (120 VAC)	Gelman			X						

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Utility	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
					Alpha	Beta	Gamma	X-ray	Neutron	Microw
Film Badges					X	X	X	X	X	
Dosimeter	Bendix	CIV 138		X			200 mR			
Dosimeter	Bendix	CIV 742		X			200 R			
TLD chips	Harshaw	3x3 mm		X			X	X		
TLD Reader(1)	Panasonic	UD702E	X				1 mR TLD			
Liquid Scint.	Beckman	700	X		X	X				
MHA 800 Channel (2)	Canberra	Series 80	X							
GeLi(5W)	Canberra		X				X			
3X3 NaI	Harshaw		X				X			
4X4 NaI	Harshaw		X				X			
Silicon	Canberra		X		X					
Beta Counter	Nuclear Chicago	8100	X							
Proportional Counter	Nuclear Measurements	161B	X			X				
"	"	PC1	X		X	X				
"	"	PC3A	X		X	X				

NOTES: (1) A Panasonic Model UD702E replaces the former Eberline system and UD014A0 Environment Dosimeter Badges. [2

(2) The Series 80 Multichannel Analyser has an 8K microcomputer with a library of 65 fission products for auto analysis. The GeLi, 3X3 NaI, 4X4 NaI, and Silicon scintillator spectroscopic detectors are all connected to the Series 80. There are 2 additional MCA's available and 2 hardcopy printers.

STATE MASSACHUSETTS

Date 12/20/72

Rev 1

Entity	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
1B	Windowless Gas Flow Proportional Counter	Nuclear Measurements Corp.	1	X		X	X				11
1B	Thin Window Gas-Flow Proportional Counter	Nuclear Chicago Spectro Shield		X		X	X				11
1B	Liquid Scintillation Counter	Packard	3300	X				X			11
1B	GeLi MCA System with DEC 1104	Canberra	8100	X				X			
2	TLD Reader	Victoreen	2600	X				X			
1	CaF ₂ (Mn) Vacuum Tube Dosimeters	Victoreen	2600-2		X			X			
1	Furnace	Thermolyne	Type 10500	X							
1AC	L.B. Beta System	Tracerlab		X			X				
1AC	Proportional Counter	IMC	PCCH1A	X		X	X				
2	Regulated Air Samplers	Eberline	RAS 1		X						
2	Pulse Rate Meters with HP 210 Probe	Eberline	PRM6								
		"	HP210		X		5x10 ⁵ cpm	5x10 ⁵ cpm			

Quantity	Manufacturer	Model #	Lab.	Field	Alpha	Beta	Gamma	X-ray	Neutron	Microw.
1	Gamma Detector	Victoreen	498		X		10R/hr	10R/hr		
2	Alpha Meter	Hierline	PACI SAG		X	2n cpm. 2R/hr				
9	Gamma Detector	Precision Radiation Instrument	Drill Hole		X		20mR/hr			
1	Survey Meter	Indium	3		X					
2	Probe	Indium	44-3		X			0-200 mR/hr low energy gamma probe		
2	Probe	Indium	44-2		X			0-200 mR/hr high energy gamma probe		
1	Gamma Detector	Hierline	E-120		X		50mR/hr			
2	Juno Model 7				X	1mR/hr= 1000 dpm alpha	25R/hr	25R/hr		
1	Jordan Model AGB-10k				X			10kR/hr		
1	Victoreen Model 444				X			1000R/hr		
1	Ion Chamber	Victoreen	440		X				300mR/hr	
0	GM	Victoreen	CIW 770		X		50mR/hr	50mR/hr		
0	Ion Chamber	Victoreen	CIW 715		X			500R/hr		
0	Alpha Meter	Victoreen	CIW 700		X	50mR/hr				
5	Ion Chamber	MDI			X				12R/hr	
5	Outie Pie	Victoreen			X	10kR/hr	10kR/hr			
0	Dosimeter Charger	TEHC	5b		X					
0	Dosimeter	Landsverk	CIW-742		X			200mR		
0	Dosimeter	Landsverk			X			1R		
1	EM Meter	Narda	B616		X					10,000Mv/c.c.

Inoperative
Jamaica Plain
Amherst

Picture

Radiation Evaluated

Index

214

X-ray

Discussion

Picture

City	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
	Proportional counter	Tennelec	IB-1000	X		10^7 cpm	10^7 cpm				
	TLD reader	Victoreen	2800	X				6×10^8 R	6×10^8 R		
	Scintillation spectrometer	Nuclear Data	6610	X				N/A			
	Ion Chamber	Victoreen	592B		X			1 R	1 R		
	GM	Eberline	E-510		X		200 mr/hr	200 mr/hr	200 mr/hr		
	GM	Universal Atomic	CDW 700		X		50 mr/hr	50 mr/hr			
	GM	Lionel	CDW 700		X		50 mr/hr	50 mr/hr	50 mr/hr		
1)	GM		CDW 700		X		50 mr/hr	50 mr/hr			
1)	Ion chamber		CDW 715		X			500 R			
	GM	Wm. B. Johnson	GP-200		X		20 mr/hr	20 mr/hr			
	Scintillation	Eberline	PAC-ISA		X	2×10^6 cpm					
	Scintillation	Wm. B. Johnson	ASP-2A		X	5×10^4 cpm					
	Scintillation	Eberline	SPA-1		X		2×10^6 cpm				
2)	Scintillation	Eberline			X			200 mr/hr			
	Proportional counter	Eberline	PAC-3G		X	10^5 cpm					
	Scintillation	Wm. B. Johnson	BSP-2A		X		5×10^4 cpm				

Type	T ₁	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Gamma	Beta	Gamma	X-ray	Neutron	Microwave
	PIC	Nuclear Measurements Lab.			X			300 mr/hr			
	Scintillation	Wm. B. Johnson	GSP-2A		X			20 mr/hr			
	BF3 tube	Eberline	ENC-4		X					?	
	Scintillation	Wm. B. Johnson	FNSP-2A		X					5×10^4 cpm	
	Ion chamber	Victoreen	70		X		(				
	Ion chamber	Victoreen	570		X		(	0.25R	100 R		
	Ion chamber	Nuclear Chicago	250B		X			250 R/hr	250 R/hr		
	Ion chamber	MuCor	CS40A		X			5×10^4 mr/hr	5×10^4 mr/hr		
	Flux density	Narda	8100		X						20 mW/cm ²
	Dosimeter	PCA			X			200 mr			
	Dosimeter	Dendix	CW 130		X			200 mr			
	Dosimeter		CW 130		X			200 mr			
	Dosimeter		CW 742		X			200 R			
	Air samplers	RAC			X	25 l/ min	25 l/ min				
	Well counter	Nuclear Chicago	186	X				10^7 cpm			
	Ion chamber	MDH	1015		X			999 R			
	Air sampler	MED Pneumatics Inc.	41-3202-5-768	X		66 m ³ / hr	66 m ³ / hr				
	Liquid scintillation counter	BEI	150-2	X			10^6				

Type	Type	Manufacturer	Model #	Lab.	Field	Alpha	Radiation Evaluated				
							Beta	Gamma	X-ray	Neutron	Microwave
	Ion Chamber	Eberline	PIC-6A		X		1000 R/hr	1000 R/hr			
	Dosimeter	Wm. B. Johnson			X			500 mr			
	Count rate Meter	Eberline	RM-14		X	50k cpm	50k cpm	50k cpm			
	Air pump	Radeco	IF-809C		X	2.5 cfm				5x10 ⁴	

TESTS and/or COMMENTS:

- stored at Keene Central Fire Station
- specially designed for plutonium detection
- on loan to Physics Dept., UNH

Quantity	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
	Scintillation Counter	Duham	60		X	5×10^6 CPM					
	Beta Survey (not GM)	Nuclear Chicago	2650		X		100 mR/hr				
	Gamma Survey	Victoreen	470A		X			1 R/hr 1000 R/hr			
(8)	Geiger Counter	Duham	3		X			200 mR/hr 3×10^5 cpm			
	Micro-R Meter	Duham	12 S		X			3 mR/hr			
	Geiger Counter	Duham	2		X		50 mR/hr	50 mR/hr			
(1)	GM	Eberline	E-120		X		50 mR/hr	50 mR/hr			
	GM (thin wall)	Victoreen	CIN-700		X		50 mR/hr	50 mR/hr			
	Ion Chamber	Victoreen	CIN-715		X			500 R/hr			
(2)	Condenser R Meter	Victoreen	570		X			(2)			
	RAD TAD	Eberline	RT-1A		X			X	X		
	Dosimeter	Bendix	CIN-742		X			200 mR	X		
	Dosimeter	CapIntec	HIY-SFQ 6		X			2R	X		
	Dosimeter	CapIntec	HIY-SFQ 6		X			200 mR	X		

Activity	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
					alpha	Beta	Gamma	X-ray	Neutron	Microwave
Dosimeter	Landsverk	LC-50		X			200 mR	X		
Dosimeter	Nuclear Asso.	012		X			1.2 R	X		
Dosimeter	Nuclear Asso.	050		X			5 R	X		
Dosimeter	Dosimeter Corp.	1200		X			200 mR	X		
Dosimeter	Dosimeter Corp.	002		X			200 mR	X		
Low Bkgnd Alpha/Beta Counting System	Canberra	2402	X		X	X				
NaI/MCA (3) System	TMC	400 Channel	(Note: Gamma Spec. system inoperable.)							
(4) Ion Chamber	MDH	1015		X			999 R	999 R		
(5) Ion Chamber	Victoreen	440RFC		X		X	1 R/hr			
(6) Power Density	NARDA	8100		X						20 mW/cm ²
Power Density	NARDA	8616		X						200 mW/cm ² (915 & 2450 MHz only)
Power Density	Holaday	1500		X						100mW/cm ² (2450 MHz)
(7) Probe	NARDA	8633		X						100 mW/cm ² 10MHz - 100MHz
(7) Probe	NARDA	8623		X						100 mW/cm ² 300MHz - 26GHz

RADIATION EVALUATION

Page 3 c

State RHODE ISLAND

Date 12/14/81

Rev 3

ES and/or COMMENTS:

Calibrated with both gelger and HP-270 probes.

One unit has 2.5R, 5R, 10R, and 25R chambers. The other unit has 2.5R and 25R chambers.

System has 3 x 3 NaI coupled to 400 channel MCA. Output is channel teletype or X-Y plot.
10 x 5-6 and 10 x 5-180 probes on 2 units; 10 x 5-6 probe only on 1 unit.

RF shielded for CRT and TV measurements. This unit is on loan from BRL.

One unit with two probes. This unit is on loan from BRL.

Probe is for use with NARDA Model 8616 meter.

Unit is calibrated for Ludlum Model 44-3 (Low-energy) Probe, although it will detect other gammas.

Qty	Type	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Alpha	Beta	Gamma	X-ray	Neutron	Microwave
BF ₃		Eberline	PNC-4		X					5x10 ⁵ c/m	
Ion Chamber		Victoreen	570		X			0.25R to 100R	0.25R to 100R		
Ion Chamber		M.H.D.	1015		X			999 R	999 R		
Pressurized Ion Chamber		Reuter-Stokes	RSS-111		X			500 uR/hr	500 uR/hr		
GM		Eberline	E-120		X		5x10 ⁴ c/m	5x10 ⁴ c/m	5x10 ⁴ c/m		
Ion Chamber		Victoreen	471		X			300R/hr	300R/hr		
								(100R to 300mR integrate)			
GM		Eberline	PMM-4A		X		2x10 ⁵ c/m	2x10 ⁵ c/m			
GM to Scinti- llation NaI		Victoreen	Thyac III		X		8x10 ⁵ c/m	8x10 ⁵ c/m			
Silicon Barrier		Merac	IV		X	1x10 ⁵ counts					
Scintillation		Eberline	PAC-15AG		X	2x10 ⁶ c/m		2R/hr			
Diode		Holiday (2.54 GHz)	HI-1500		X						100 mW/cm ²
Diode		Holiday	3002		X					E-probe: 0.5MHz to 6 GHz, 10 ⁷ V ² /M ² FS. H-probe: 5MHz to 300 MHz, 100 A ² /M ² FS. 10 kHz to 220 MHz, 300 V/M	
Isotropic		HFI	IRM-1								

ity	Manufacturer	Model #	Lab.	Field	Radiation Evaluated					
						Beta	Gamma	X-ray	Neutron	Microwav.
Diode	Narda	8616		X						
Probe	Narda	8621		X						20 mW/cm ²
Ion Chamber	Victoreen	V715		X			500R/hr			300MHz-26GHz
GM	Victoreen	V700		X		3x10 ⁵ cpm	50mR/hr			
Ion Chamber	Nuclear Associates	Srad		X			10 ³ R/hr	10 ³ R/hr		
Quartz Fiber	ICA	015		X			1.5R	1.5R		
Quartz Fiber	ICA	050		X			5.0R	5.0R		
Quartz Fiber	ICA	150		X			0.5R	0.5R		
Quartz Fiber	Capintec	SBD-6		X			0.5R	0.5R		
TLD Reader	Victoreen	2810	X				10 ³ R	10 ³ R		
Gas Flow Proportional Counter	NMC	ICC-11T & IG-1T	X		5x10 ⁷ cpm	5x10 ⁷ cpm				
100 mcpn/cm ² Window Gas Flow Counter	Canberra	220S	X							
Ge-Li Gamma Spectrometer	Canberra	Series 80 Mod. 8623	X							
Survey Meter	Inlum	2218	X	X						
Alpha scint probe	"	43-2	X	X						
Beta	"	44-1	X	X						
Gamma	"	44-10	X	X						
GM Tube	"	44-7	X	X						

Attachment 1

NEW ENGLAND COMPACT

REQUEST FOR GEOLOGICAL ASSISTANCE

(1) I (we) request the following geological assistance from _____

under the provisions of the New England Compact.

(2) Agency requesting assistance: _____

(3) Authorized representative: _____

(4) Phone (include area code): _____

(5) Describe type and duration of assistance requested:

a. Equipment: _____

b. Manpower: _____

c. Support Services: _____

(6) a. Where is the assistance needed?

b. Where should equipment and/or personnel report (be specific):

c. When is the requested assistance needed?

d. Estimated duration of assistance: _____

e. Contact person for requested assistance -- specify location and phone number (include area code): _____

UNITED STATES GOVERNMENT

DEPARTMENT OF THE ARMY

FORM 100-10

(7) Other Comments: _____

Signature of
Authorized Requestor:

Date:

APPENDIX N

OPERATION OF THE METPAC SYSTEM

(See METPAC User Manual - bound separately)

APPENDIX O

(to be developed)

APPENDIX P

(to be developed)

APPENDIX Q
Hamard/Bousquet-Clayeux (modified)
Procedure A for Dose Assessment and
Atmospheric Dispersion Estimation

1. Enter Table 1a with wind speed and either with release height and lapse rate or with Pasquill Stability Class (PSC). Select indicated graph.
2. Determine downwind direction by adding or subtracting (as appropriate) 180° from upwind direction on plant data sheet. Using protractor and bottom edge of light table, orient graph on light table in downwind direction. Affix with masking tape.
3. Fill in marginal data on 10 mile EPZ map. Place map on graph with release point over origin point on graph (left edge center). Align grid lines with bottom edge of light table using protractor.
4. Enter table 2 with appropriate "case" and with either release rate and anticipated duration or with total release. Select indicated curve(s) on graph for protective action(s) desired against WBD.
5. Trace curves (using a solid line for the relocation protective action and a dashed line for the sheltering protective action) selected in step 4 as follows:
 - a. on first copy of map, trace entire curve(s); go to step 6 time permitting,
 - b. on another copy of map, trace curve(s) only as far downwind as a preselected time and the wind speed dictate; file for later comparison.
6. Using protractor draw lines through the curve(s) perpendicular to the downwind direction at points which represent appropriate preselected times after release (e.g. every hour, every 2 hours, etc.).
7. If another plume overlayed map is being prepared, check to see if both agree. Resolve differences.
8. Make at least 4 photocopies of completed map. File original. Send one each to governor (or representative), director DFHS, director CDA, and keep one in accident assessment room. If possible make one transparency.
9. Enter table 3 either with iodine release rate and anticipated duration or with total release. Select indicated curve(s) on graph for protective action(s) desired against CTD. Using a fresh map, repeat steps 5 through 8.
10. If wind direction changes go to step 17.

Procedure A

11. After plume passes (either because of wind shift and/or cessation of release) prepare isodepositions map by beginning at step 12.
12. Enter Table 1b with wind speed, presence or absence of rain, and either with lapse rate or Pasquill Stability Class (PSC). Select indicated graph.
13. Follow steps 2 and 3.
14. Enter table 6 with appropriate "case" and with either release rate and anticipated duration or with total release. Select indicated curves on graph for protective actions to be taken.
15. Trace curves (using a dotted line for the removal from pasture protective action, a dashed line for the sheltering protective action, and a solid line for the relocation protection action) selected in step 14.
16. Follow steps 7 and 8.
17. A wind direction change requires vector arithmetic to determine the direction of the center line of the dog leg from the new plume center line. The point of direction shift of the dog leg should be computed reasonably close to the time the wind shift took place--to the next whole hour after wind shift should satisfy this for low to moderate speeds.
18. Compute the direction of the dog leg as follows using the HP-11c (or similar) calculator:
 - a. f CLEAR REG
 - b. key in first wind direction (to)
 - c. ENTER
 - d. key in first wind speed
 - e. $f \rightarrow R$
 - f. $\Sigma +$ (display should show a "one")
 - g. key in second wind direction (to)
 - h. ENTER
 - i. key in second wind speed
 - j. $f \rightarrow R$
 - k. $g \Sigma -$ (display should show a "zero")
 - l. RCL Σ
 - m. $g \rightarrow P$
 - n. $X \div Y$
 - o. 90
 - p. + (if wind shift was clockwise); - if counter clockwise)
 - q. f FIX 0

Procedure A

19. On a fresh map, plot the center line along the new wind direction; extend it for an appropriate distance (e.g., one hour's travel); then plot the center line of the dog leg from the end of the new direction center line along the direction determined in step 18 q.
20. Using the appropriate ISOCONCENTRATION graph, trace the curves for sheltering and relocation as in step five, EXCEPT, when the center line changes direction, the graph must be pivoted at that point before tracing (if necessary) is continued.
21. Follow steps 7 and 8.
22. To plot ISODEPOSITION when there is a wind shift, do not compute a dog leg direction.
23. On a fresh map, plot ISODEPOSITION curves as in steps 12 through 16 as far as necessary from release time to wind-direction-change time.
24. Plot ISODEPOSITION curves along new direction from release point to appropriate point (another wind shift or end of area of operational concern).
25. Merge plots from steps 23 and 24 into one two- (or three-) lobed plot to indicate areas in which protective actions must be taken from deposition.
26. Follow steps 7 and 8.

Procedure A

Table 1a

Isoconcentration curve determination

<u>Δt (°F) (VY)</u>		<u>PSC</u>	<u>Wind speed</u>	
<u>Ground release</u>	<u>Elevated release</u>		<u>≤ 2 m/s</u>	<u>> 2 m/s</u>
≤ - 1.54	≤ - 2.45	A or B	CB1	CB2
-1.53 to -0.46	-2.44 to -0.72	C or D	CD1	CD2
> - 0.45	> - 0.71	E, F, or G	CF1	CF2

Table 1b

Isodeposition curve determination

<u>Δt (°F) (any release height) (VY)</u>	<u>PSC</u>	<u>Wind speed</u>	<u>Rain</u>	<u>Curve</u>
≤ 1.29	A, B, or C	≤ 2 m/s	No	D1
			Yes	D5
		> 2 m/s	No	D2
			Yes	D6
> 1.29	D, E, or F	≤ 2 m/s	--	D3
		> 2 m/s	--	D4

Table 2

Protective actions against WBD from plume

<u>Total release rate (Ci/sec)</u>			<u>Release (Ci)</u>	<u>Case A*</u>		<u>Case B*</u>		<u>Case C*</u>	
<u>Time period of release (hrs)</u>				<u>Reloc.</u>	<u>Shelt.</u>	<u>Reloc.</u>	<u>Shelt.</u>	<u>Reloc.</u>	<u>Shelt.</u>
<u>4</u>	<u>8</u>	<u>12</u>	<u>24</u>						
< 11	< 5	< 4	< 2	-	-	-	< 1 km	-	1
11-110	5-55	4-37	2-18	-	2	< 1 km	3	< 1 km	4
> 110	> 55	> 37	> 18	3	5	4	6	5	7

*

I as % of total release (I + NG)

Case	I as % of total release (I + NG)
A	5
B	5-20
C	20-50

Table 3

Protective actions against (TP) from plume (5 and 25 rems)

Iodine release rate (Ci/sec)				Release (Ci)	Curves (or km)	
Time period of release - (hrs)					Sheltering (stable I)	Relocation (stable I)
η	$\underline{B}$	$\underline{12}$	$\underline{24}$			
< 1	< 0.6	< 0.3	< 0.2	$< 10^4$	4	2
1-11	0.6-5	0.3-4	0.2-2	10^4-10^5	7	5
11-110	5-55	4-37	2-18	10^5-10^6	10	8
> 110	> 55	> 37	> 18	10^6-10^7	610 km	207 km

2
5
8
207 km

Procedure A

Table 4

Concentrations (NG)

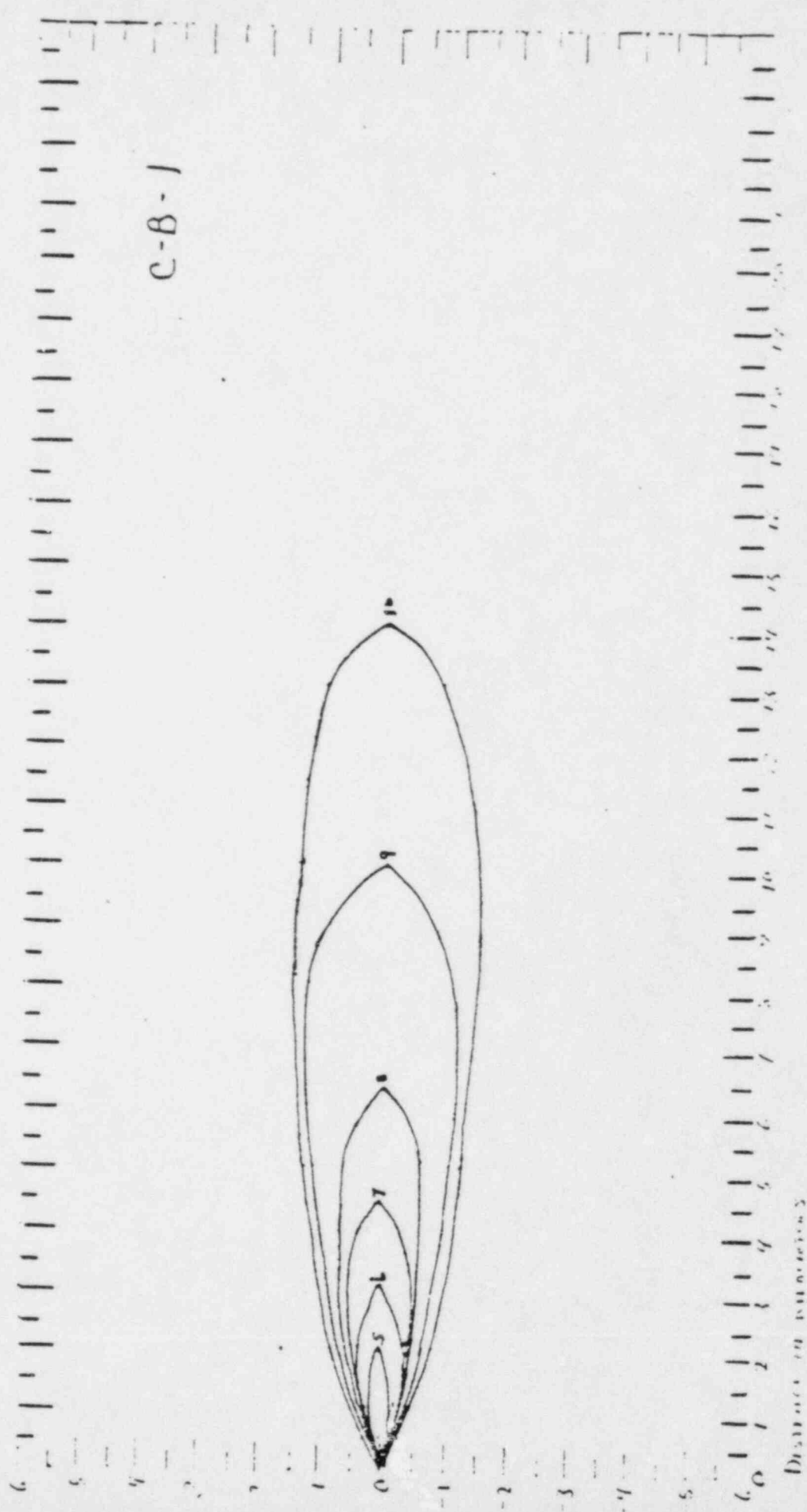
<u>WBD (rems)</u>	<u>Exposure Time</u>				
	<u>4 hrs</u>	<u>8 hrs</u>	<u>12 hrs</u>	<u>24 hrs</u>	<u>48 hrs</u>
0.25	2E-04	1E-04	7E-05	3E-05	2E-05
0.5	4E-04	2E-04	1E-04	7E-05	3E-05
1	8E-04	4E-04	3E-04	1E-04	7E-05
2	2E-03	8E-04	5E-04	3E-04	1E-04
5	4E-03	2E-03	1E-03	7E-04	3E-04
10	8E-03	4E-03	3E-03	1E-03	7E-04
25	2E-02	1E-02	7E-03	3E-03	2E-03

Concentrations (RI)

<u>CTD (rems)</u>	<u>Exposure Time</u>				
	<u>4 hrs</u>	<u>8 hrs</u>	<u>12 hrs</u>	<u>24 hrs</u>	<u>48 hrs</u>
2.5	9E-07	5E-07	3E-07	2E-07	8E-08
5	2E-06	9E-07	6E-07	3E-07	2E-07
10	4E-06	2E-06	1E-06	6E-07	3E-07
25	9E-06	5E-06	3E-06	2E-06	8E-07
50	2E-05	9E-06	6E-06	3E-06	2E-06
125	5E-05	2E-05	2E-05	8E-06	4E-06

DEPOSITION CURVE VALUES

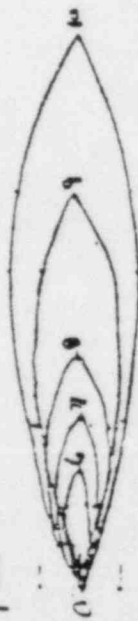
[illegible]



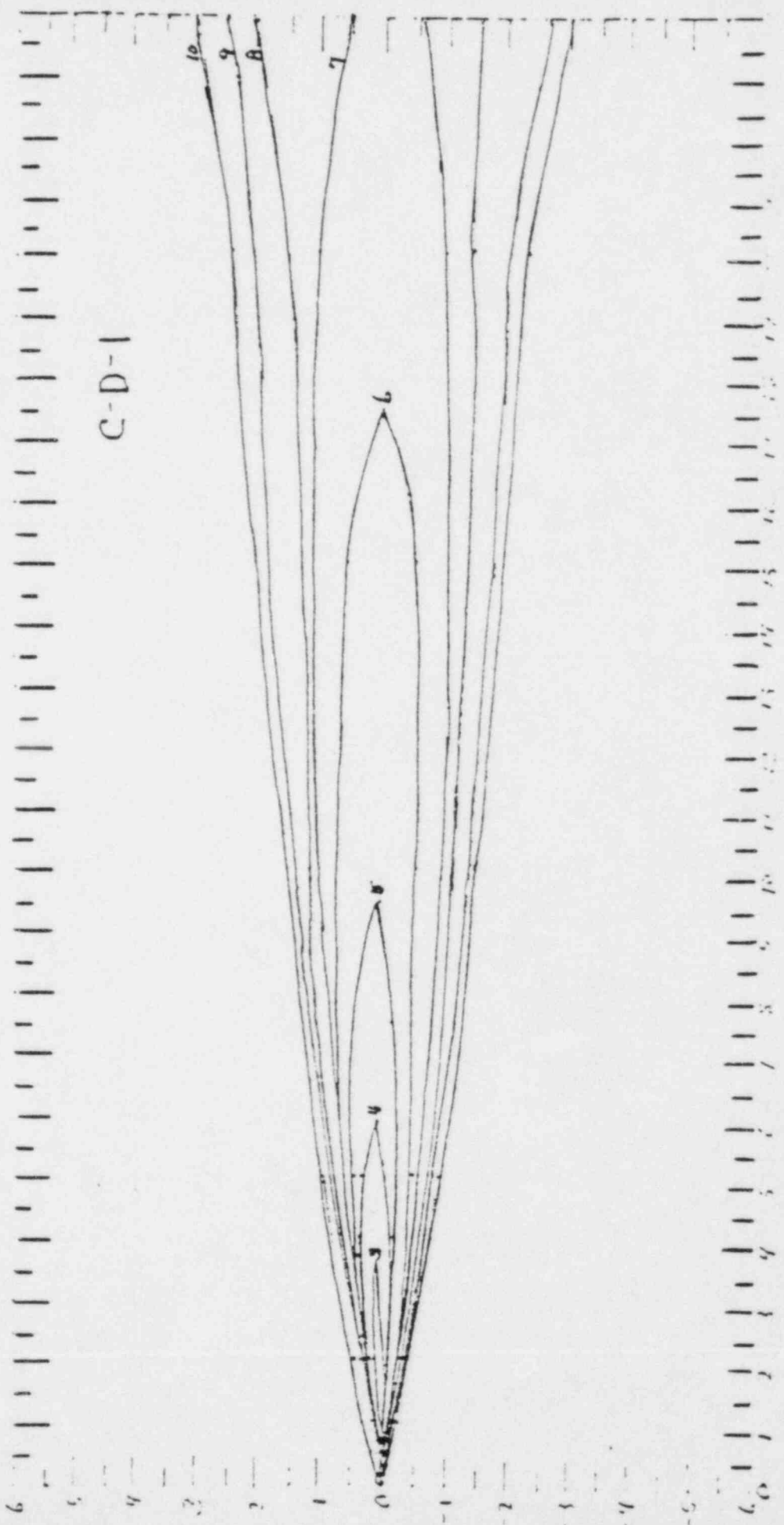
C-B-1

Distance in inches

C-B-2

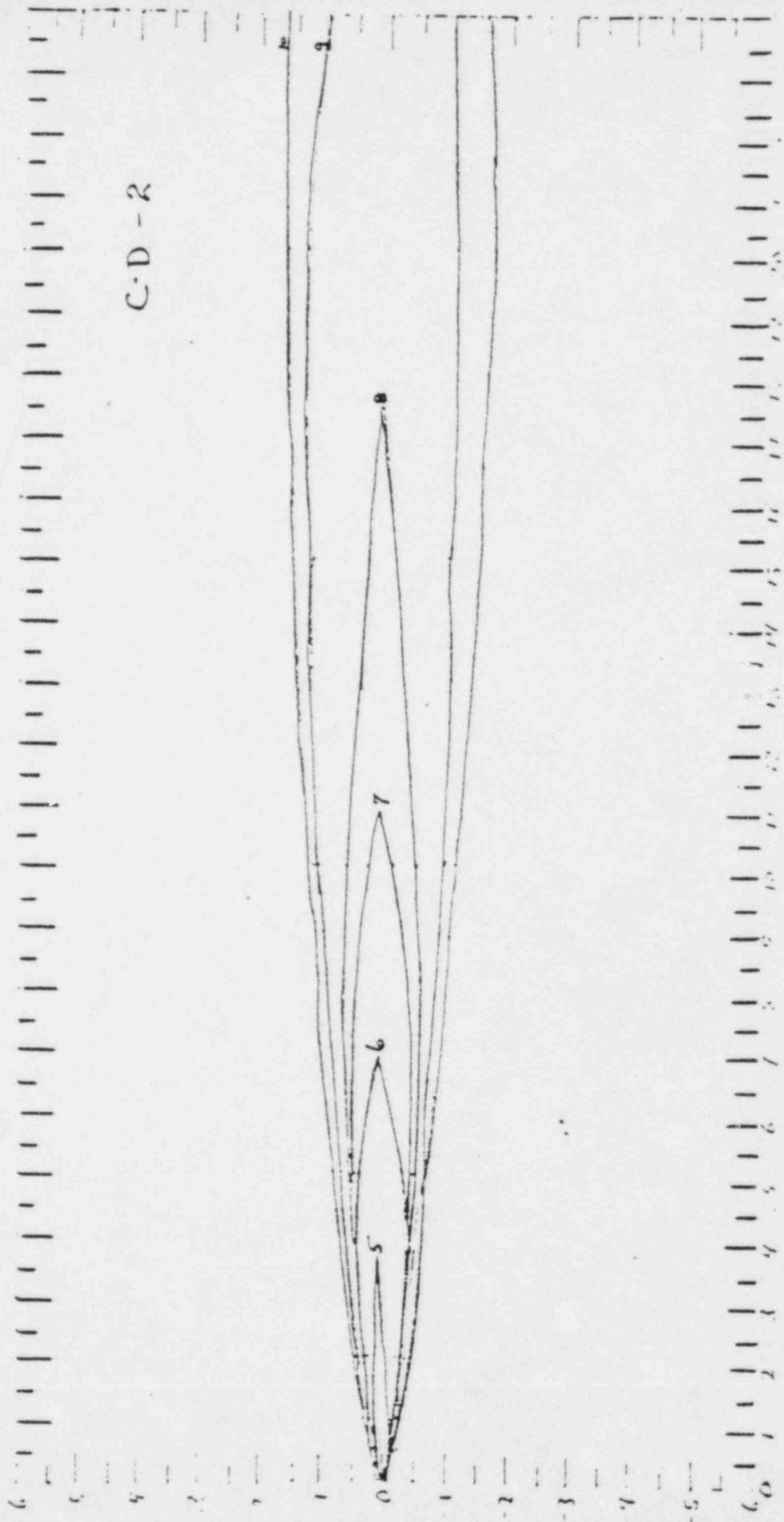


Distance in meters 22

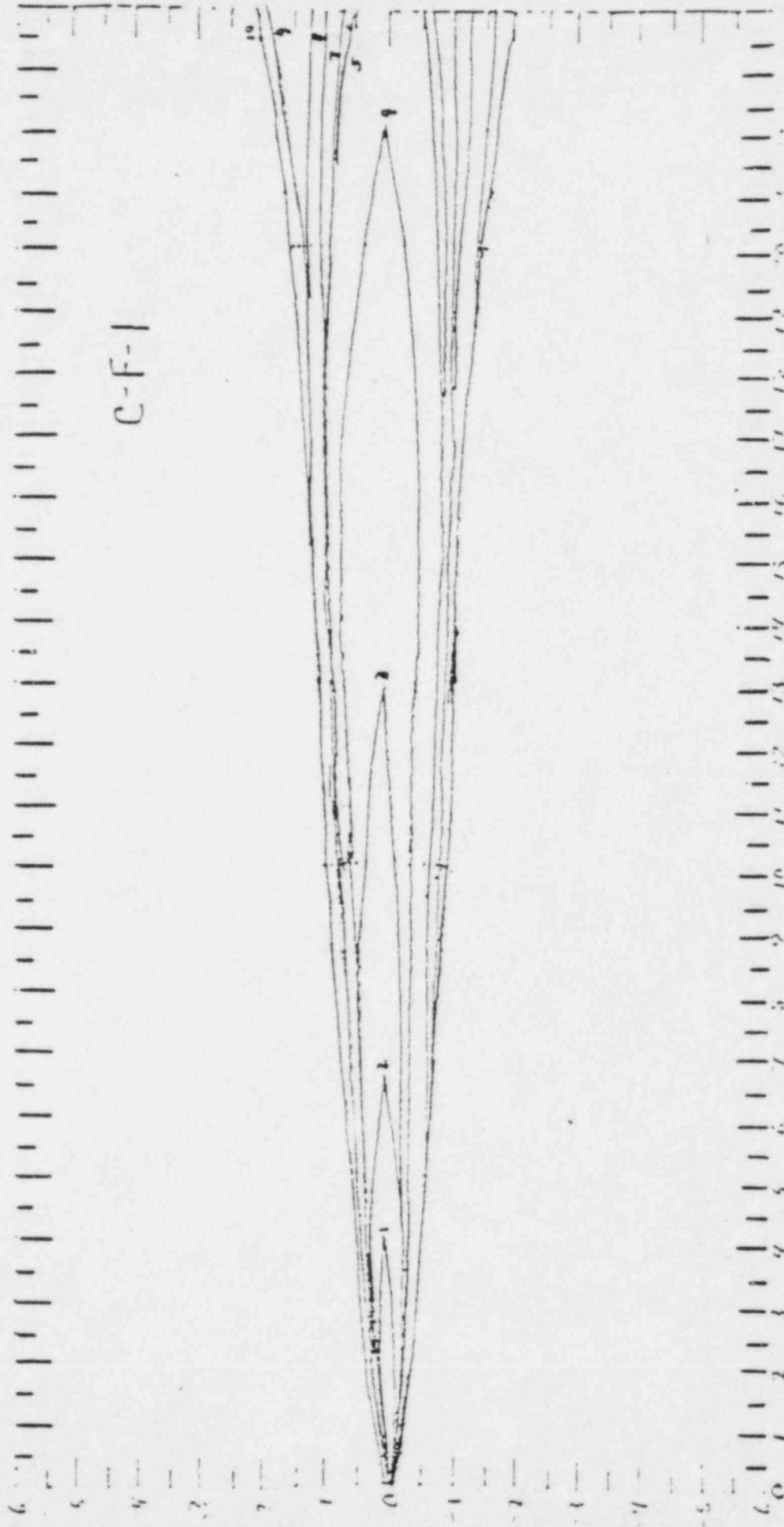


DISTANCE IN MILES

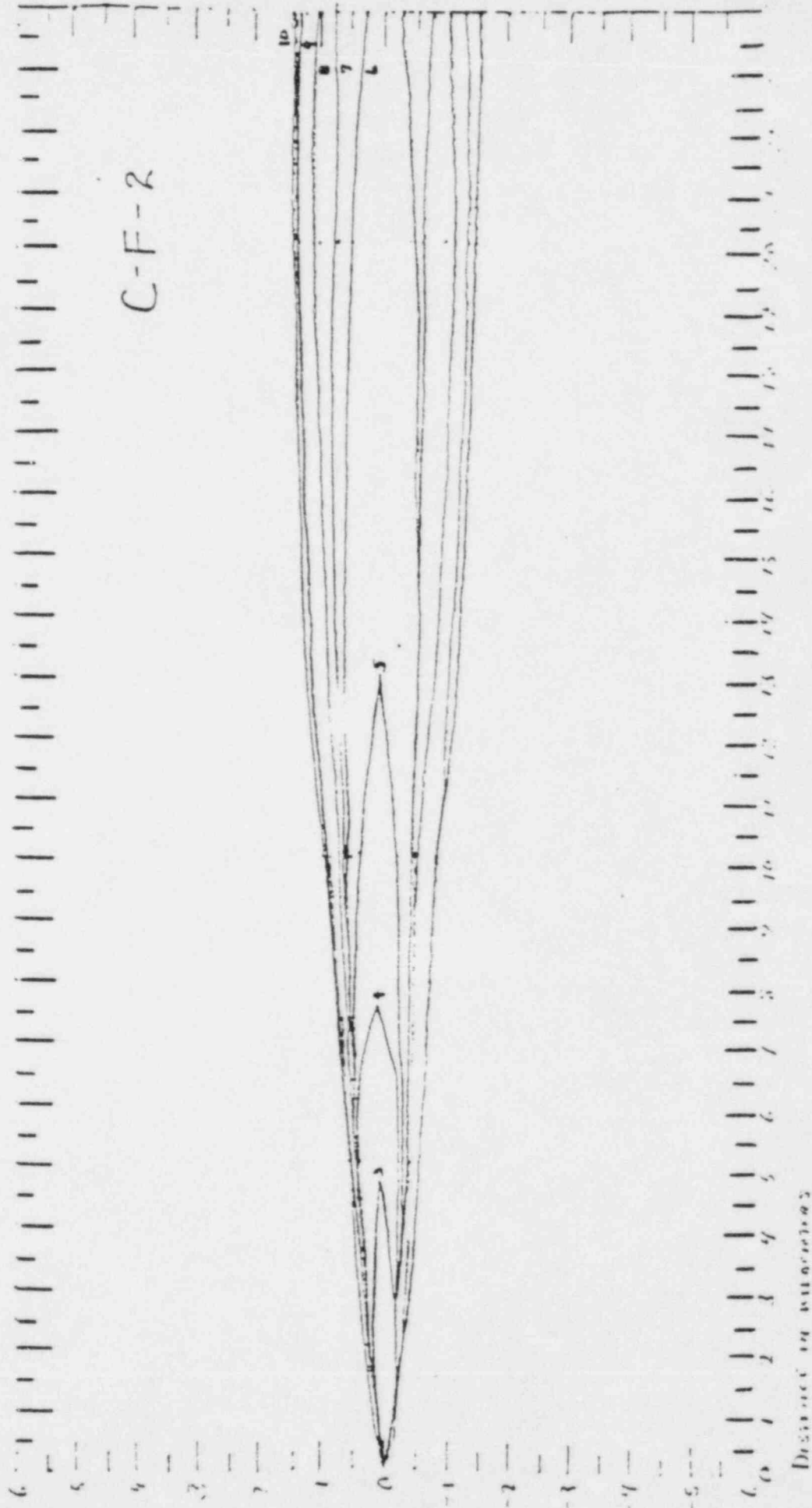
C-D-2



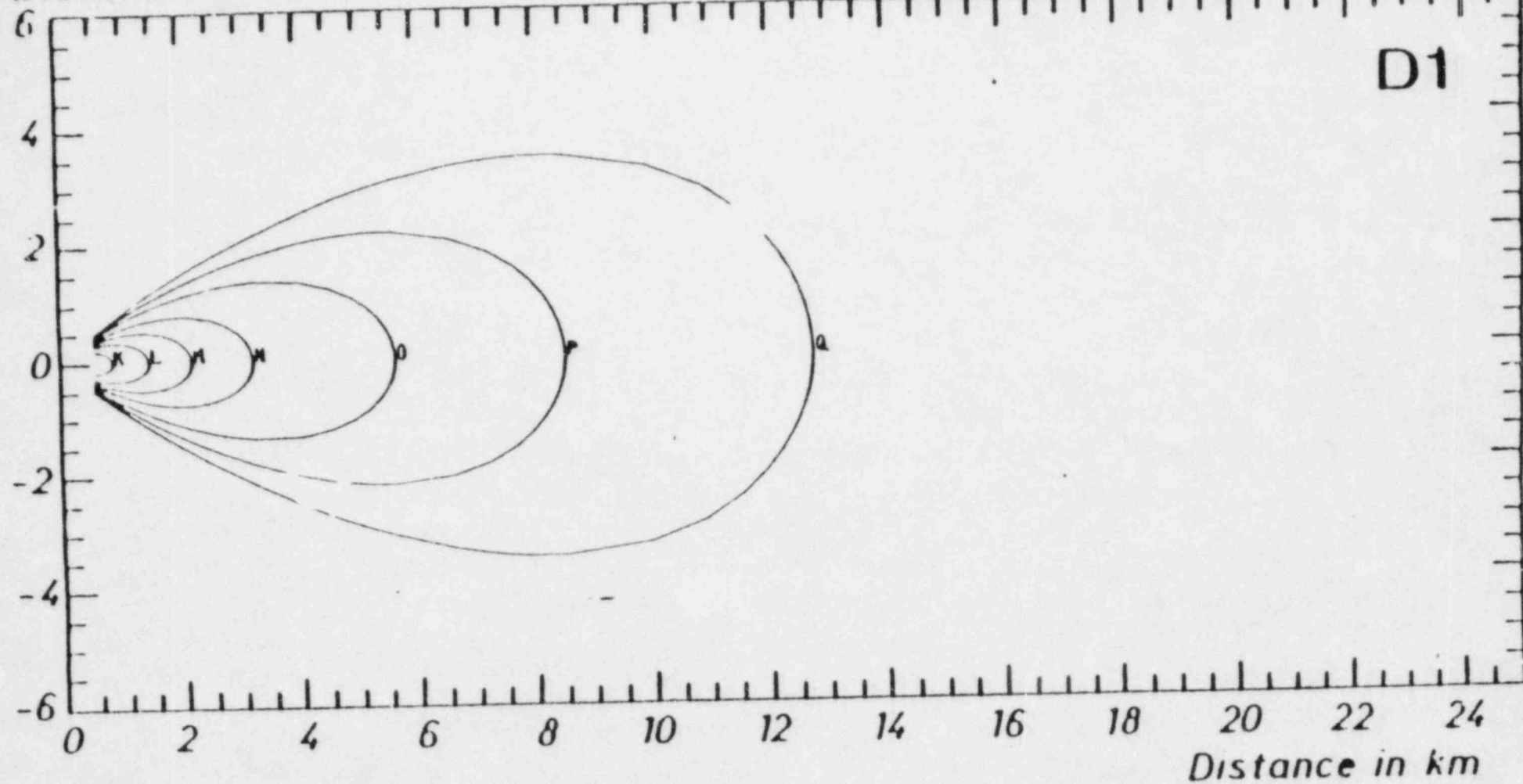
Distance in inches



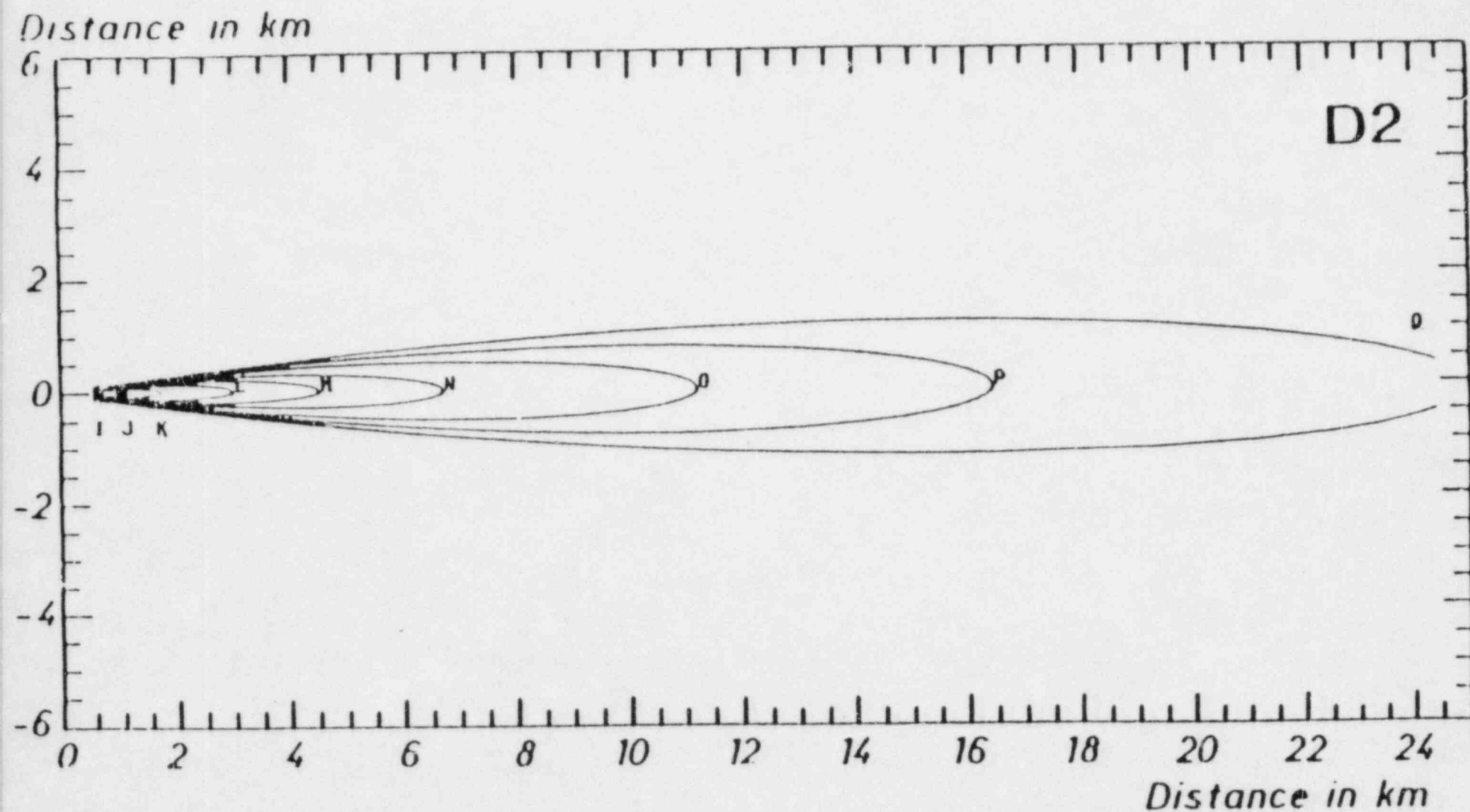
C-F-2



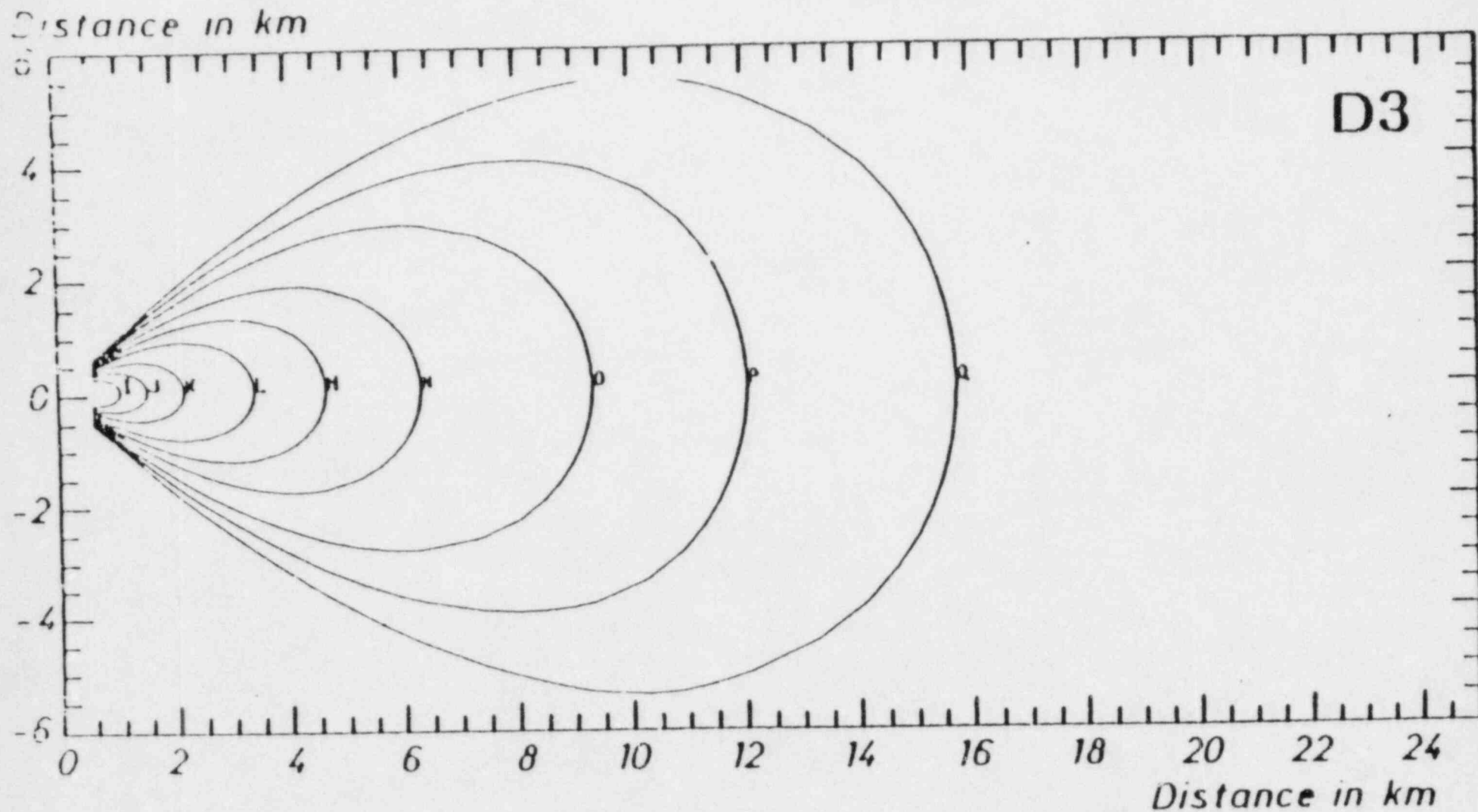
Distance in km



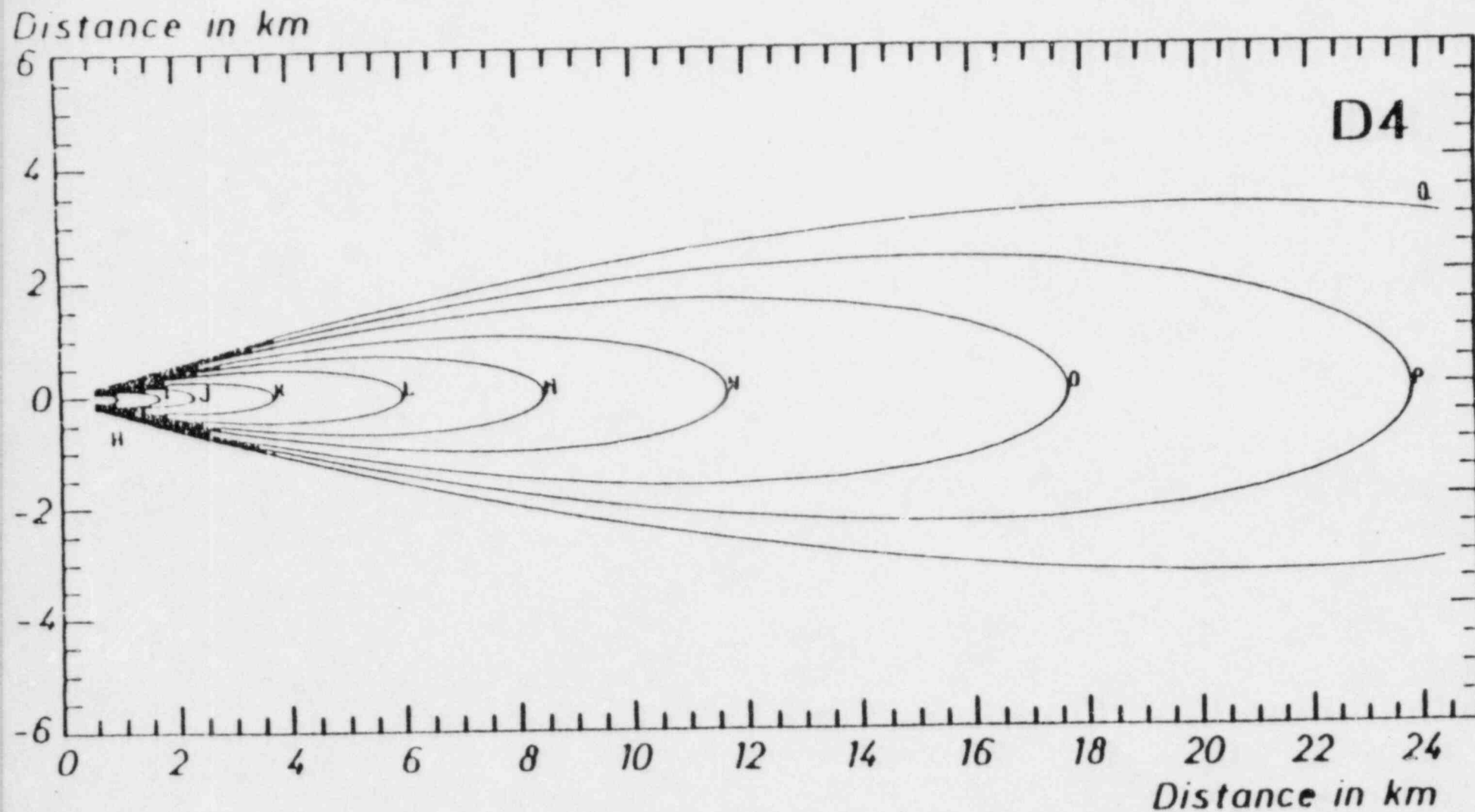
. Isodeposition graph, dry weather, normal diffusion, wind speed ≤ 2



Isodeposition graph, dry weather, normal diffusion, wind speed > 2

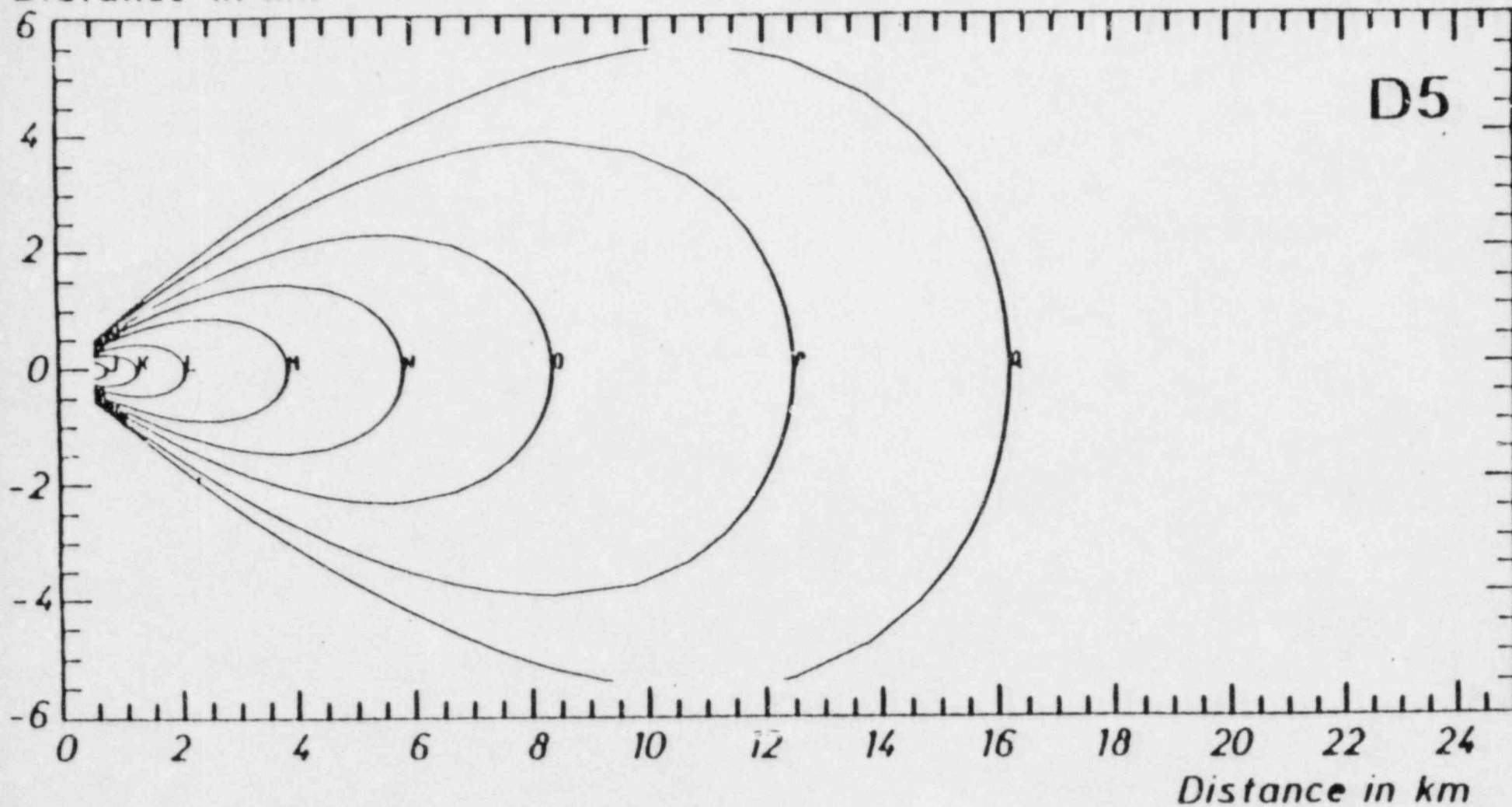


7. Isodeposition graph, dry weather, poor diffusion, wind speed ≤ 2 m/s



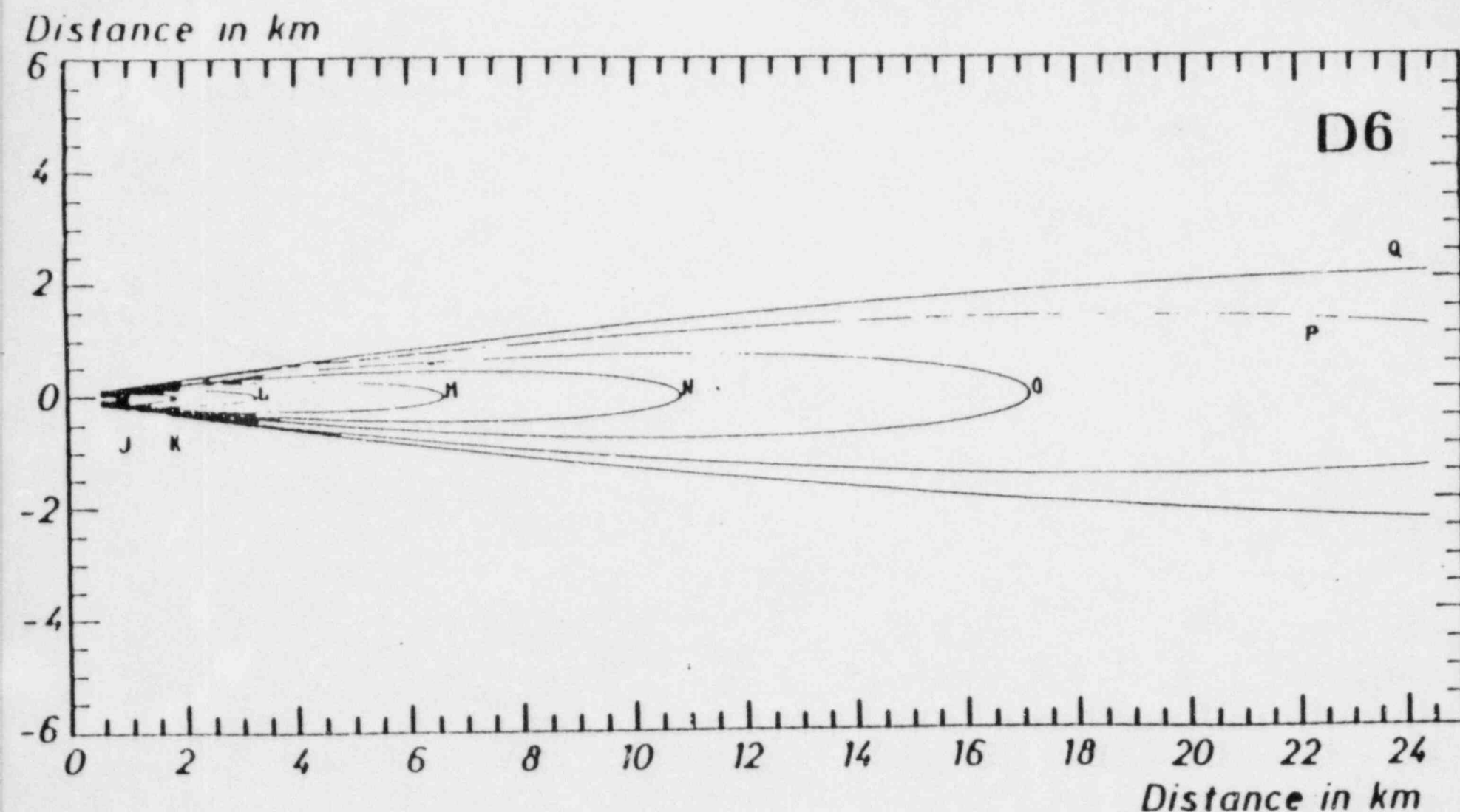
. Isodeposition graph, dry weather, poor diffusion, wind speed > 2 m/s

Distance in km



g. 9. Isodeposition graph, rain, normal diffusion, wind speed ≤ 2 m :

REMOVAL PLANS IN THE EVENT OF NUCLEAR ACCIDENT

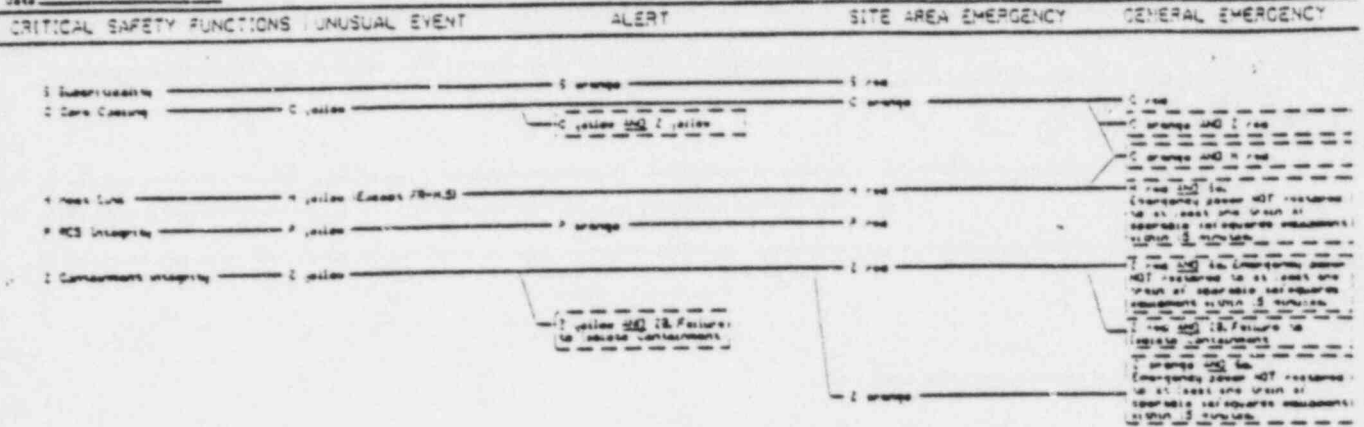


10. Isodeposition graph, rain, normal diffusion, wind speed > 2 m

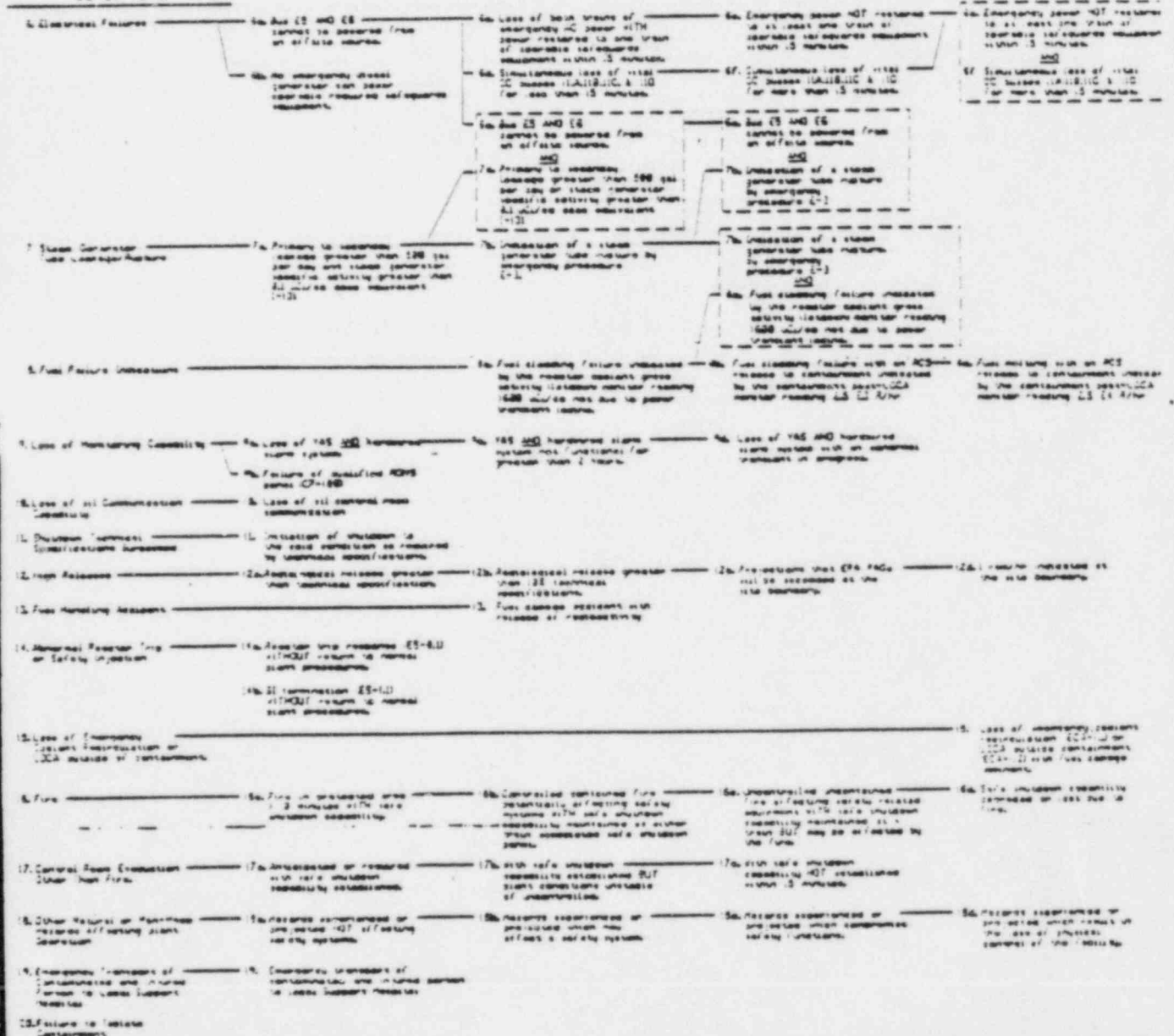
EMERGENCY CLASSIFICATION FLOW CHART

APPENDIX R

Name _____
Date _____



MISCELLANEOUS EMERGENCY CONDITIONS

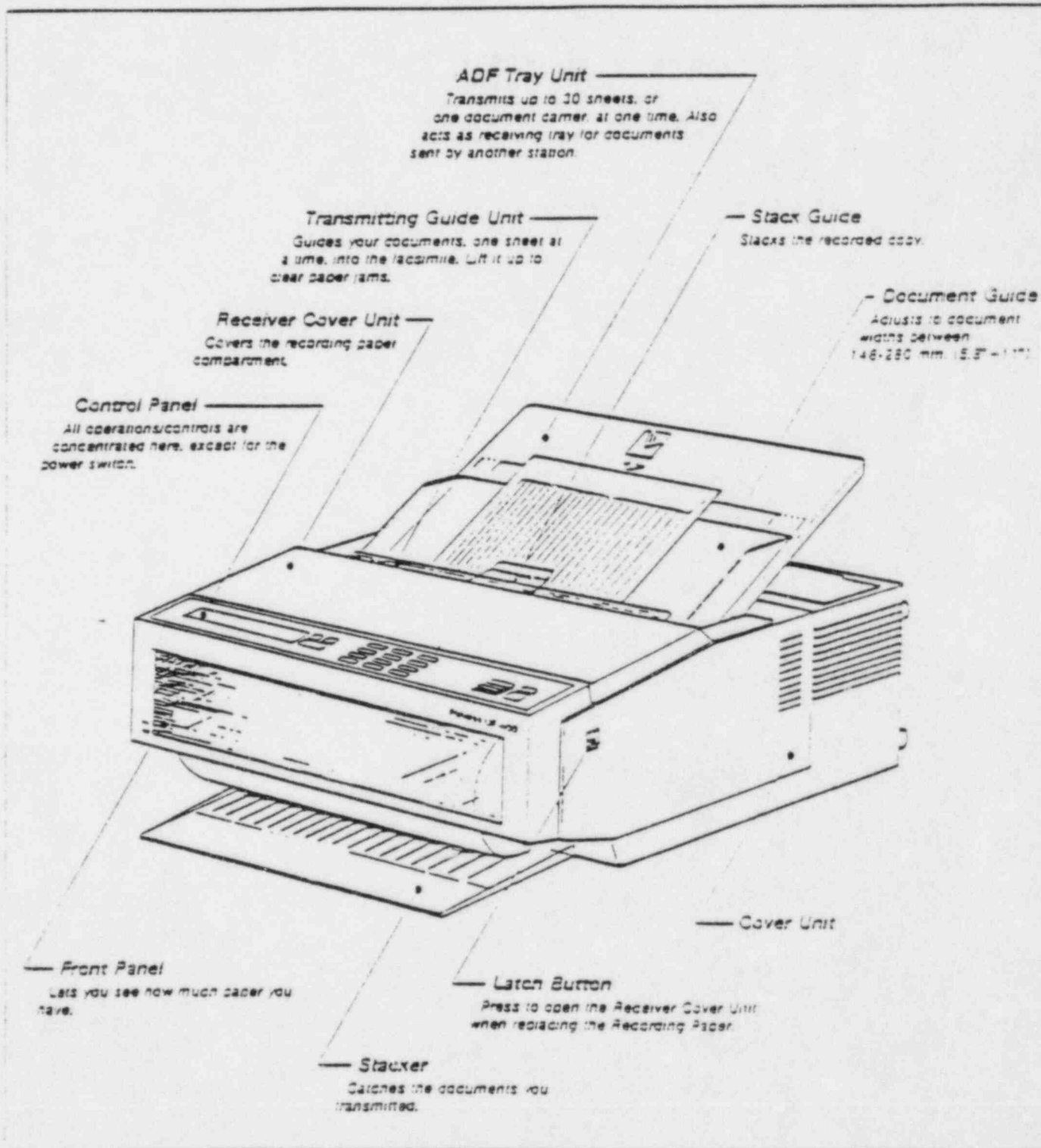


OPTIONAL NOTES

FOR THE BELOW LISTED EVENT	URGENT EMERGENCY PLAN PROCEDURE NO.
UNUSUAL EVENT	ES-1.2
ALERT	ES-1.3
SITE AREA	ES-1.4

Introducing the Panafax UF-400

■ Major Parts

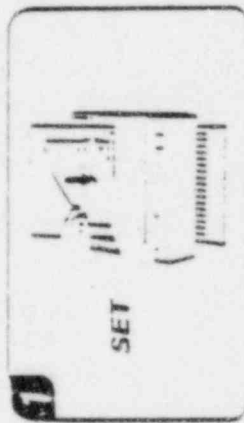


Facsimile Number Directory

Name

Number

Basic Transmission Steps



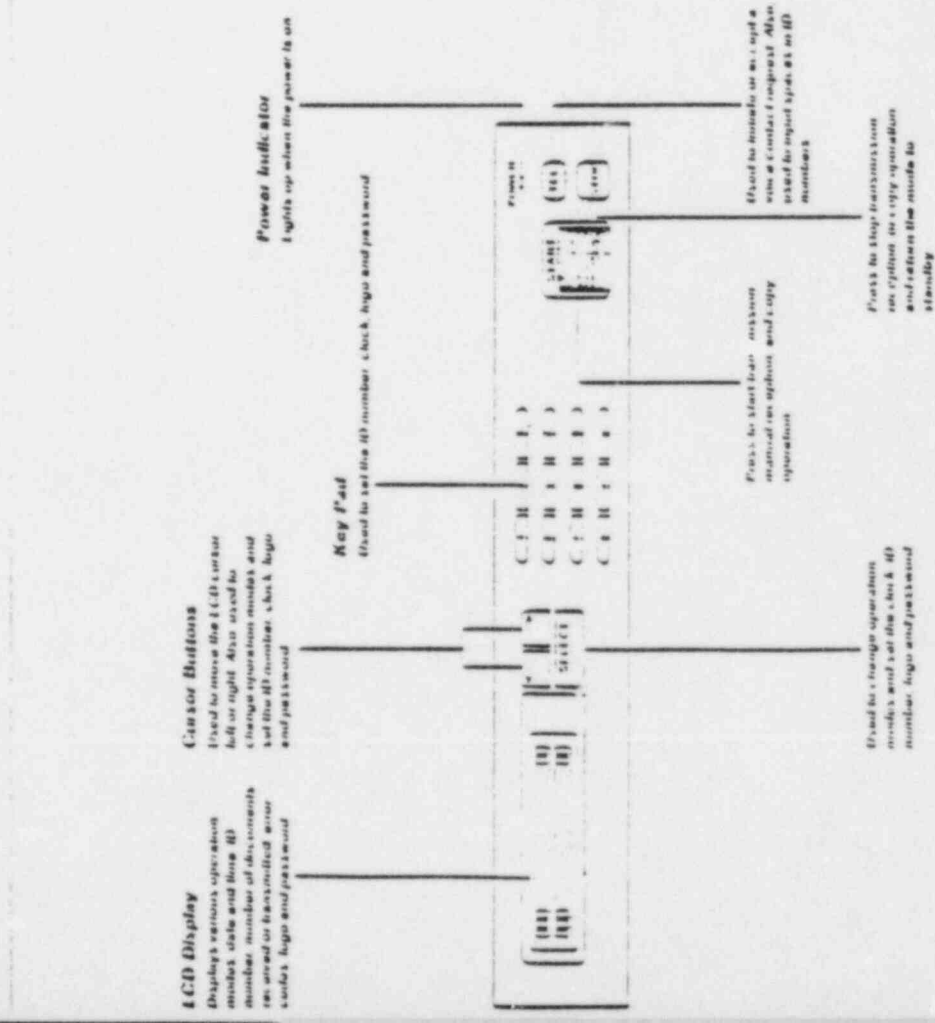
If necessary use the [] and [RECEIVE] buttons to check and set the proper tone intensity. (Standard Tone or Super Loud) (Normal Back or Light and with when stamp status) (100 or 101)

The Facsimile 100 will do everything else automatically and then return to standby for details, see pages 6 through 9

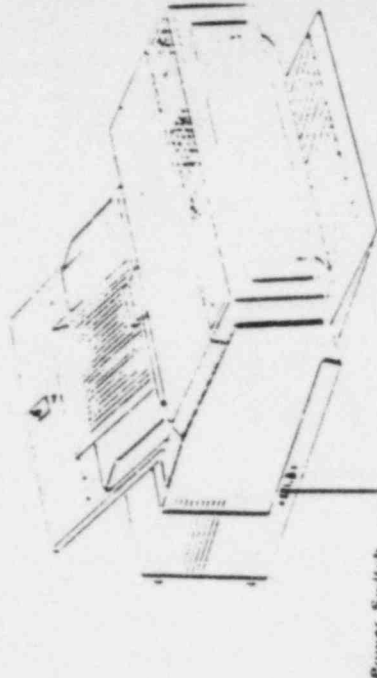
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- Power Switch	
- Rear Panel Layout	
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- Verification Stamp	
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<i>Receiving Documents</i>	10
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Control Panel Layout (Standard)



Power Switch

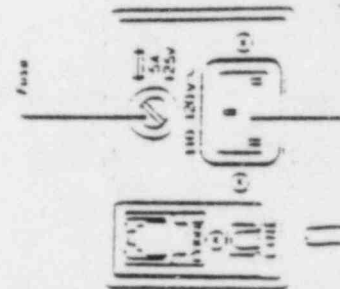


Turn on the unit by setting the power switch to 1. The LED labeled POWER on the panel will go on.

When the power is turned on, the LCD on the control panel will show the date and following order: month, day, year, hour and minute.

Example: 06/20/1984 12:35

Rear Panel Layout



Control Panel Layout (Standard)

Power Switch



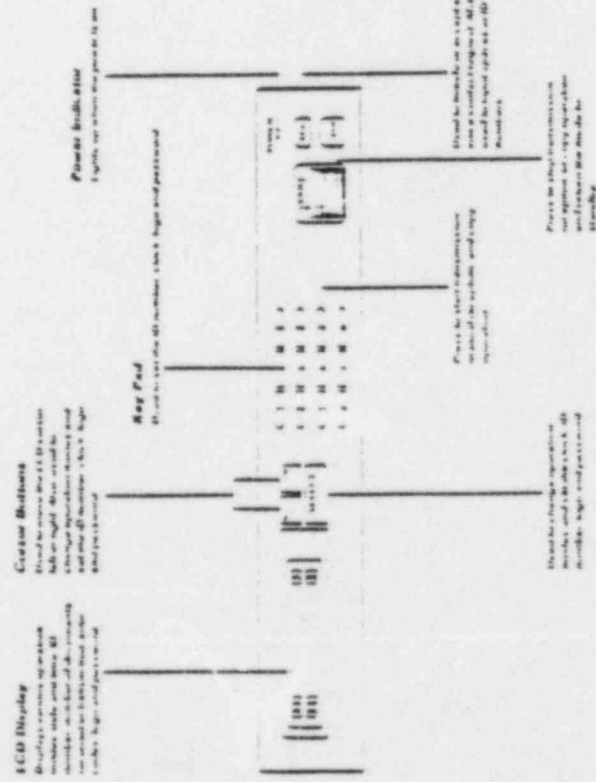
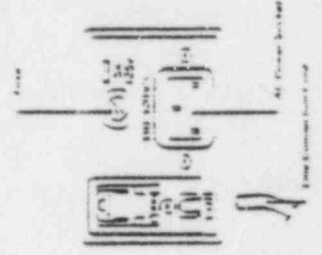
Turn on the unit by setting the power switch to 1. The LED labeled POWER H on the control panel will go on.

When the power is turned on the LED on the control panel will show the date and time in the following order: month, day, year, hour, and minute.

Example:

06/10/1986 12:15

Hour Panel Layout

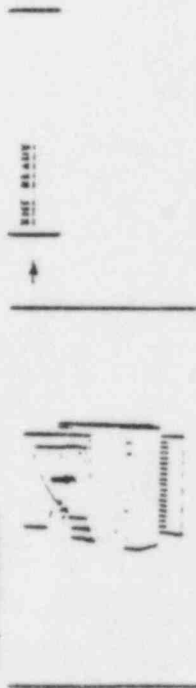


Transmitting Documents

Transmitting Documents

Transmitting

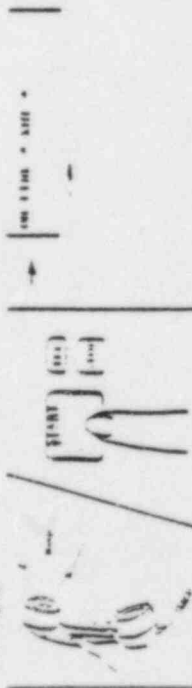
- 1 Press the power document on the 4100 top and face down with the document. The vertical printed LCD will tell you that the document is ready for transmission.



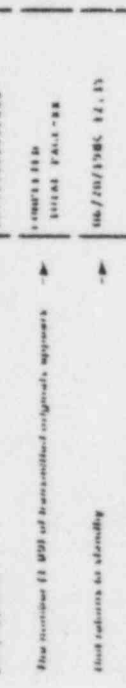
- 2 Press the transmit key.



- 3 When you have the loop around press the transmit key.



- 4 The 4100 will loop to the right of the document party appears.



Verification Stamp

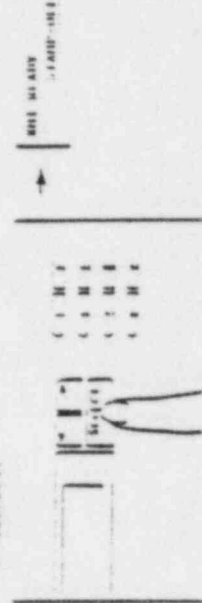
- 1 The verification stamp is a small "x" in a circle (X). When your Penates 4100 is installed the verification stamp will be set to appear at the bottom center of every document page. This stamp tells you that the page was successfully transmitted.

If you do not want your document to be marked with the verification stamp for example when you transmit the pages of a contract, you can easily "stop" the stamp from being with the following two step procedure:

- 1 Press the [X] button until the LCD looks like this:



- 2 Press [0015C1]

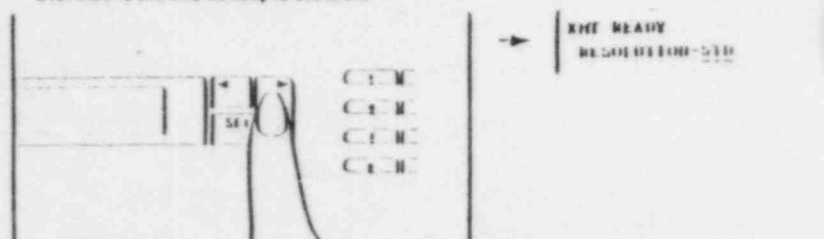


Press [0015C1] again to change the setting back to Off.

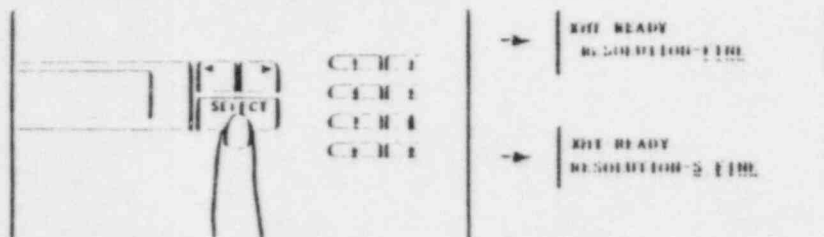
■ Switching the Scanning Line Density

Before transmitting (or copying) documents written in fine print, you can set, check or change the scanning line density from STANDARD to FINE and SUPER FINE in the following way:

- 1 Press the **[>]** button until the LCD looks like this
STD means the line density is standard



- 2 Press **[SELECT]** to change the density to FINE
Press **[SELECT]** a second time to set SUPER FINE

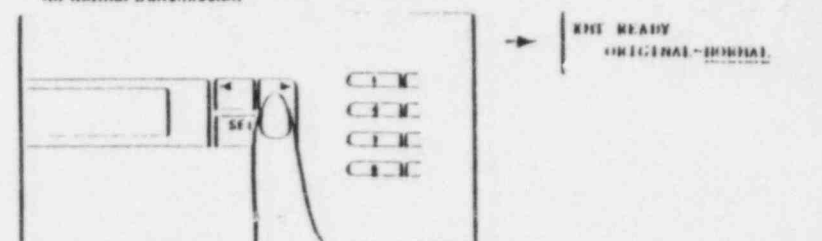


If you press **[SELECT]** again, the density will change back to standard

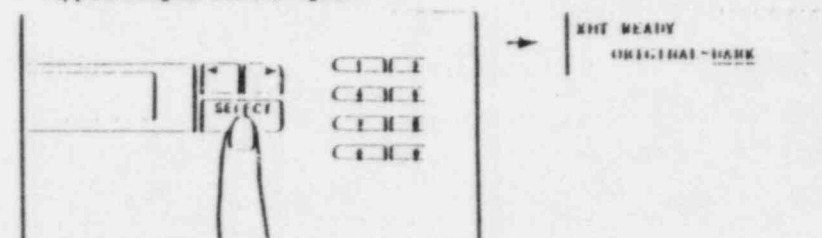
■ Switching the Document Contrast

Depending on the print and color conditions of your document, you can choose between three contrast settings: NORMAL, LIGHT and DARK.

- 1 Press the **[>]** button until the LCD looks like this
NORMAL means the contrast setting is already set for normal transmission



- 2 Press **[SELECT]** DARK means the transmitted copy will be lighter than the original



- 3 Press **[SELECT]** again to change the setting to ORIGINAL - LIGHT. In this case the transmitted copy will be darker than the original

Notes:

NORMAL, DARK, and LIGHT are changed alternately each time you press **[SELECT]**

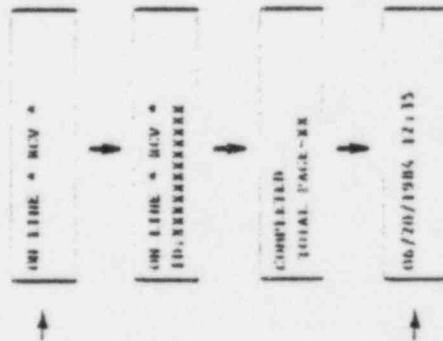
ORIGINAL - NORMAL is suitable for transmitting or copying ordinary (printed or typewritten) documents

ORIGINAL - LIGHT is suitable for transmitting or copying originals written in light pencil

ORIGINAL - DARK is suitable for transmitting or copying originals with colored or dirty backgrounds

Automatic Reception

Most of the time you will use Automatic Reception. When the telephone connected to your fax sends rings, the fax sends will automatically begin receiving documents. You don't have to do anything.



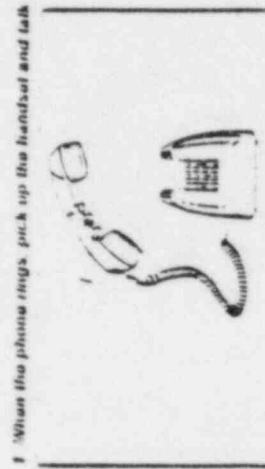
When the transmission ends, the unit returns to standby.

Note:
In standby for automatic reception, the LCD will not include the AUTO RCV-DEF.

Manual Reception

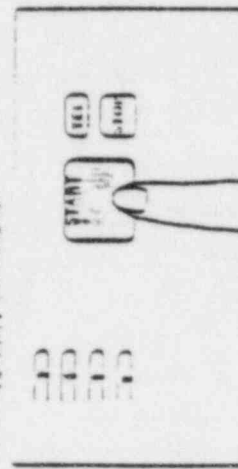
If you use Manual Reception, you must answer the telephone when it rings and press the [START] button to begin reception. However, when the facsimile is not in use you can use the telephone for ordinary calls.

When you switch to manual reception your LCD will look like this:



1 When the phone rings, pick up the handset and talk.

2 Press [START] and hang up.



Voice Contact

Switching to and from Automatic and Manual Reception

Switching from Automatic to Manual

1 Press the **STOP** button



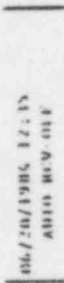
2 Press **[SELECT]**



Note
If you press **[SELECT]** again, the LCD will read **AUTO RCV ON** for automatic reception.

3 Press either **CT** or **STOP**

The unit will now be in standby for manual reception.



Switching from Manual to Automatic

Follow the same procedure described in steps 1, 2, and 3. Only the LCD reception will be increased.

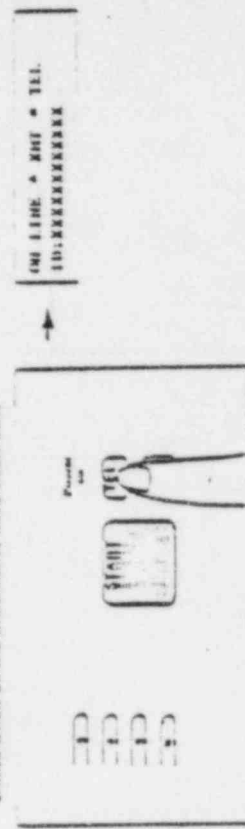
Initiating Contact During Transmission

When you are transmitting or receiving documents, you may want to talk to the other party over the telephone. If the other party's unit has a voice contact feature too, you can initiate contact in Group 3 in the following ways:

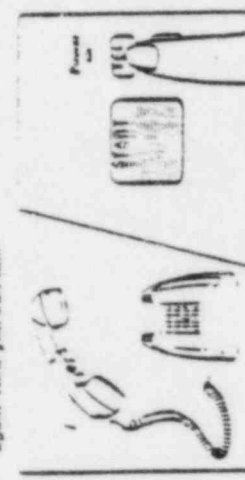
If you initiate a voice contact during transmission, you will be able to talk over the telephone after all the documents have been transmitted.

1 Press **[TEL]**

The other party's unit will sound "pup-pup". If they answer, your facsimile will make a "pup-pup" sound when all the documents have been sent.



2 Wait until you hear the "pup-pup" sound. Then pick up the telephone handset and press **[TEL]** again. Now you can talk.

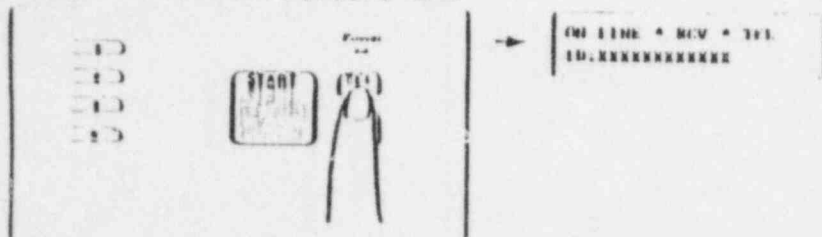


■ Initiating Contact During Reception

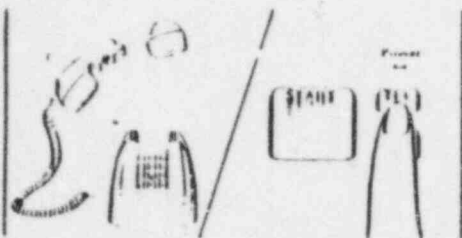
If you initiate a voice contact during reception, you will be able to talk over the telephone after the document currently being sent is completely received in Group 3 mode.

1 Press [TEL]

The other party's unit will sound "pomp pomp." If they answer, transmission will stop when the document currently being sent is completely received and your facsimile will make a "pomp pomp" sound.



2 Wait until you hear the "pomp pomp" sound. Then pick up the handset and press [TEL] again. Now you can talk.



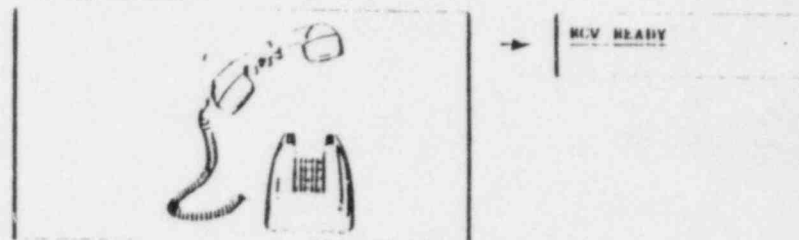
■ Receiving a Request for Contact

When the other party tries to contact you during transmission or reception, your facsimile will make a "pomp pomp" sound. Pick up the handset and press [TEL]. Then wait until the other party presses his button a second time.

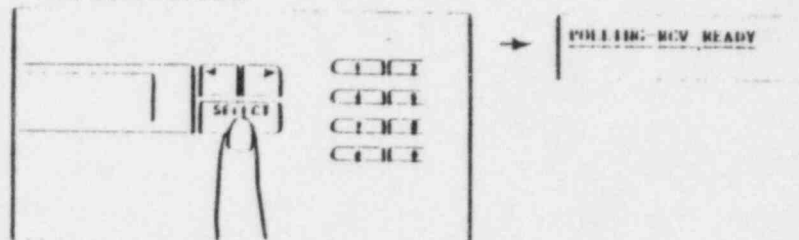
■ Polling Reception

Your Panafax OF 400 can poll (receive documents from) unattended G3 units that are ready to be polled. In this case, there must not be any documents on your ADF tray unit.

1 Pick up the handset

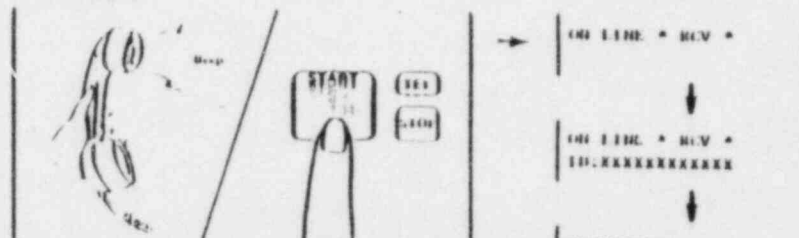


2 Press [SELECT] until the LCD tells you the unit is ready to poll and receive.



3 Dial the other party

When you hear the answer loop, press [START] and hang up.



Notes:

Each facsimile is supplied with a password number. Before polling can start, the units automatically check each other's password. If they match, polling will begin. Polling without password can also be used.

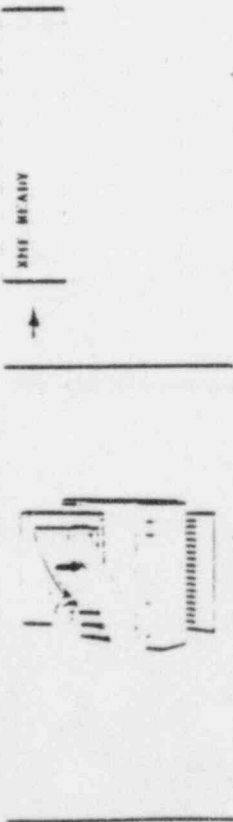
COMPLETED
TOTAL PAGE-XX

06/20/1985 12:35

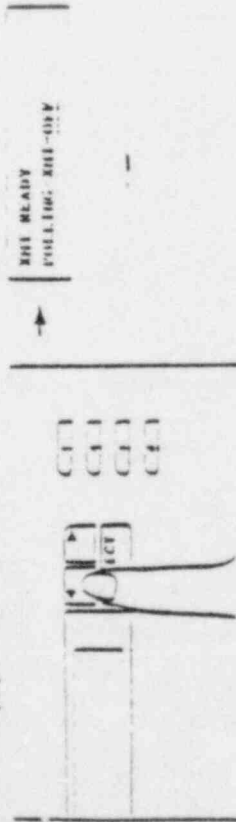
■ Polling Transmission

Your Pandax UP 400 can be polled by (pushed unattended transmission to) other (13 units) Prepare your unit in the following way

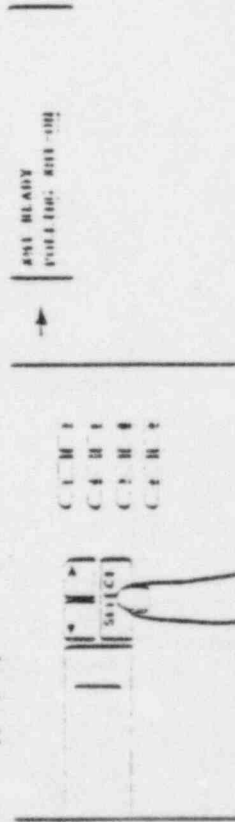
1 Set the originals to be transmitted on the ADF tray unit



2 Press the [C] button until you see



3 Press [SELECT]



If you press [SELECT] again, polling transmission mode will change back to off

■ Reverse Polling

This feature combines transmission with polling reception into one continuous operation

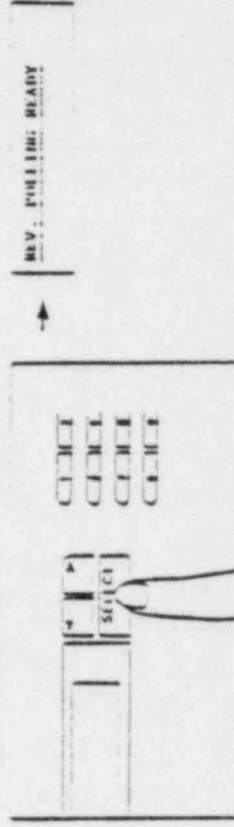
1 Set the originals to be transmitted on the ADF tray unit



2 Pick up the handset

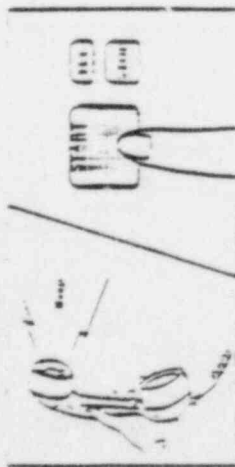


3 Press [SELECT] until the LCD tells you the unit is ready for reverse polling



Making Copies

4 Dial the other party. When you hear the answer loop, press **[START]** and hang up.

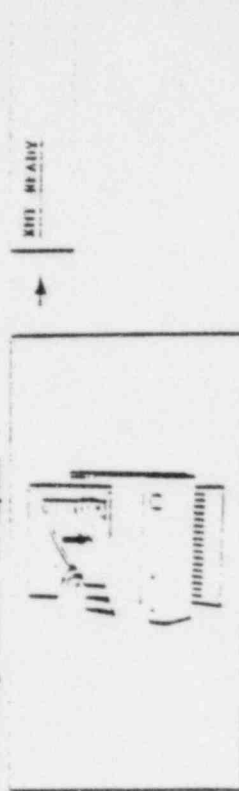


When all the originals have been transmitted, your unit will automatically start to receive documents from the other faxed-to unit.



The Panelax 10-400 can make single copies of up to 30 documents at one time. Scanning density and contrast can also be changed as explained in the transmission section.

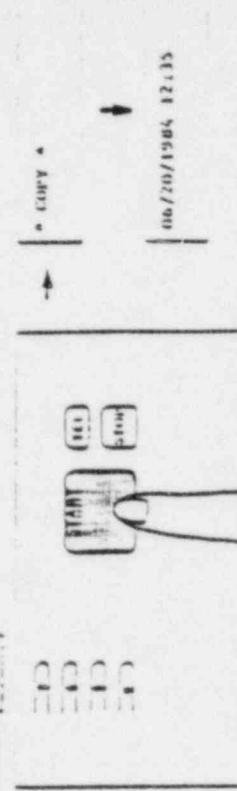
1 Set the originals on the ADF tray unit.



2 Press **[SELECT]** until the LCD tells you the unit is ready to make copies.



3 Press **[START]**.



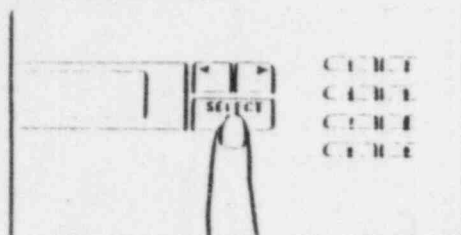
When each document on the ADF tray unit has been copied, the unit automatically returns to standby.

Journal Print

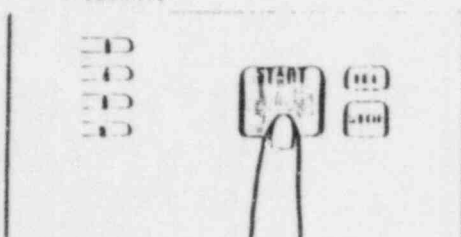
Journal

A record of transactions (transmissions and receptions) is automatically printed out once every 32 transactions. However, you can also obtain a record of the 32 most recent transactions anytime in the following way:

1. Press **[SELECT]** until the LCD tells you the unit is ready to print out a journal.



2. Press **[START]**



Journal Print Example:

										(1)	(2)		
										DATE 09/01/1984	TIME 10 05		
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)				
NO	COM	DOC	DURATION	X/H	NO PROBLEM	DATE	TIME	DIAGNOSTIC					
01	OK	02	00 01 20	XMI	0467 05 6040	03-01	00 30	0404002000					
02	OK	04	00 03 47	XMI	GIRHP2	03-01	00 42	0004202000					
03	400	00	00 02 06	HCV	GIRHP2	03-01	00 46	0102202000					
04	OK	04	00 00 57	HCV	012345678 0123456789	03-01	00 52	0502002000					
05	S OK	00	00 00 30	XMI		03-01	00 54	2404002000					
06	400	00	00 00 30	XMI		03-01	00 56	0004000000					
32	OK	04	00 00 33	XMI		03-01	00 58	040 002000					
										(12)			
										PARIAL AX 06 400			
										(13)			
										03 400 9101			

Explanation of Journal Print

- 1) Print out date (Month/Day/Year)
- 2) Print out time (Hour Minute)
- 3) Transaction number (max 32 transactions)
- 4) Transaction result

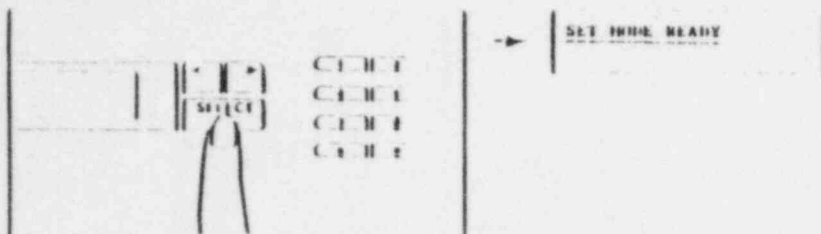
Normal	OK
STOP	S OK (When pressing STOP button during communication)
Abnormal	Error code
- 5) Total successful pages
- 6) Communicating duration (Hour Minute Second)
- 7) Send or Receive
- 8) ID number or communication mode

* ID	Group 3 mode with ID
* GIRHP3	Group 3 mode without ID
* GIRHP2	Group 2 mode
-	Not detected ID signal (Error)
- 9) Communication data
- 10) Communication start time
- 11) Detailed information for field service personnel
- 12) Logo (max 25 characters including spaces)
- 13) ID number (max 20 digits including spaces)

■ Setting the UF-400's Clock

The clock always shows the date and time in the following order: year, month, day, hour and minute. For example, July 10, 1984 12:34 is expressed as 07/10/1984 12:34.

1. Press **[SELECT]** until you see



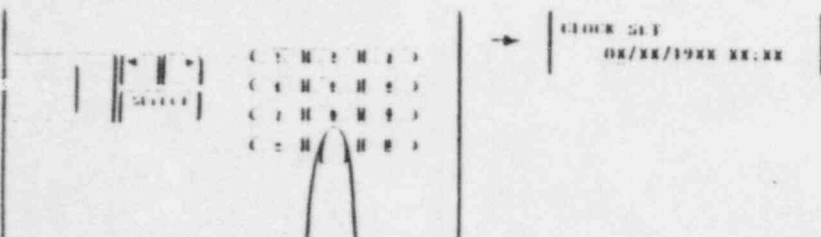
2. Press **[START]**



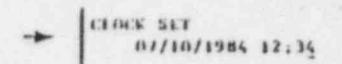
3. Press the appropriate key (**[0]** - **[9]**) on the keypad to set the desired number at the cursor position. Each time a number is entered, the cursor moves to the next column.

Example:

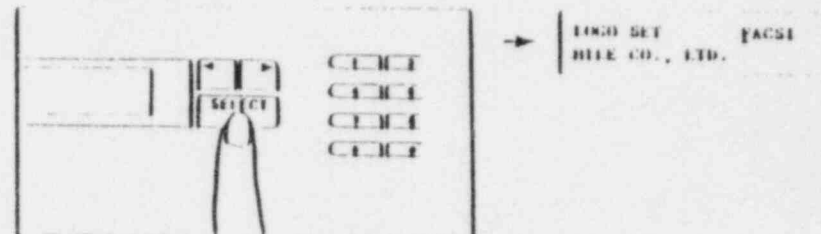
When **[0]** is keyed in



Continue pressing the required keys. To move the cursor left or right, press the **[←]** or **[→]** button.

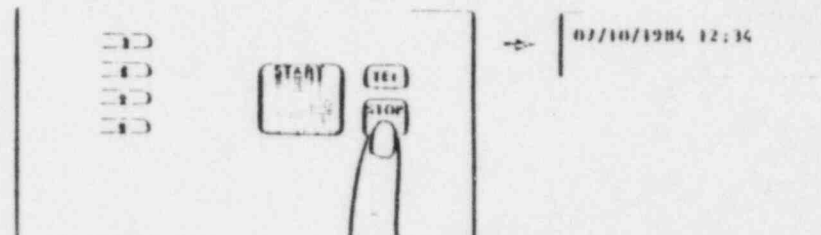


4. Press **[SELECT]**



5. Press **[STOP]**

The unit automatically returns to standby.



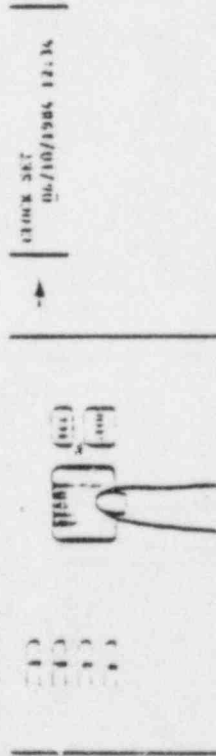
■ Setting the Logo

The logo helps identify your unit. Usually it is a company name or abbreviated form. The F-5000 400 can hold a logo up to 25 characters long.

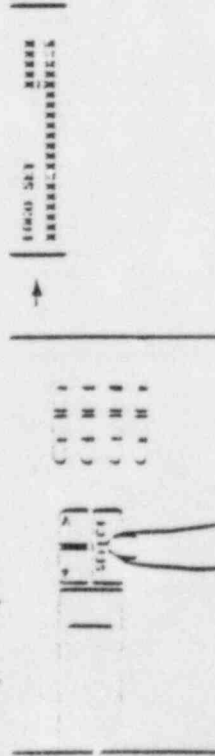
1 Press **[SELECT]** until the LCD tells you the unit is ready to set a logo.



2 Press **[START]**



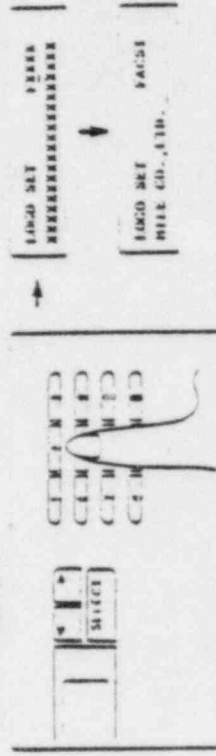
3 Press **[SELECT]** again



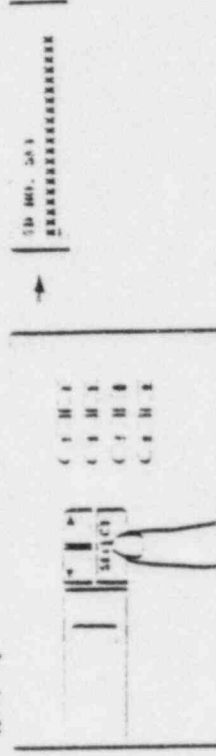
4 A 3 digit code is needed to key in each letter in the logo. Select the correct code from the Logo Table (see next page) and key them in using the key pad. Each time a character is set, the cursor will move to the next column. To move the cursor left or right, press **[←]** or **[→]**.

Example

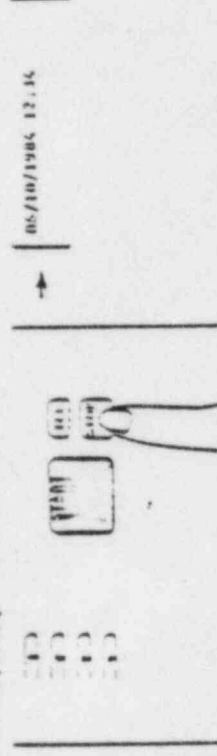
If the logo is FACSIMILE CO., LTD. set the letter F by pressing **[0][1][5]**



5 When you have set every character, press **[SELECT]**



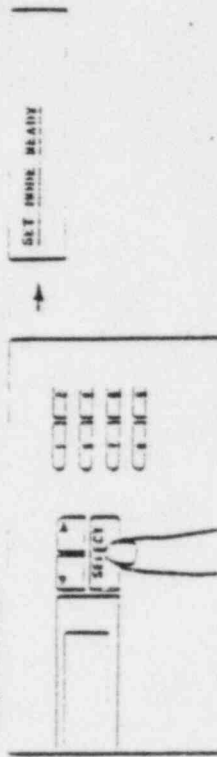
6 Press **[STOP]** to return to standby



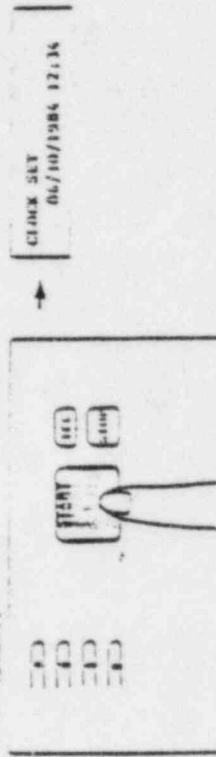
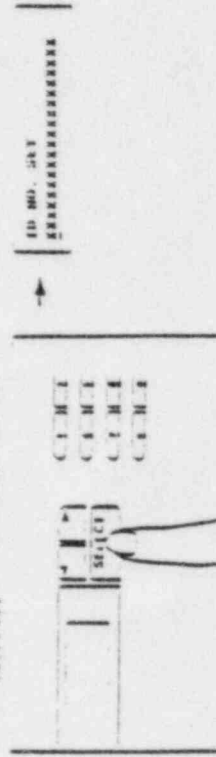
■ Setting the ID Number

Most Q3 and Q2 lacking units have an M3 number in the topographic number of the unit itself. The M3 number of the unit you communicate with will appear in your LCD and your M3 number will appear on the other party's unit.

experts for the Agency
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1



2 Press (6YANG)

3 FROM [SELECT] *note to display H(N) SET*

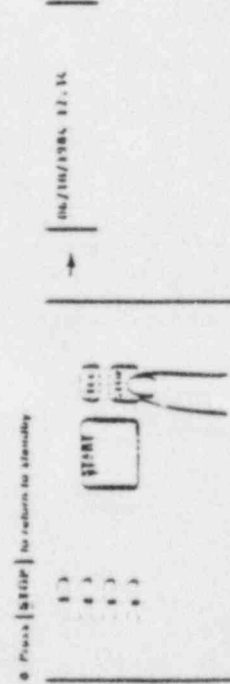
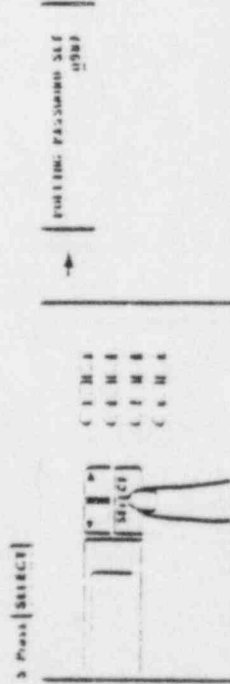
Logo Table

[illegible]

4 Use the key pad to enter the 40 number. The cursor will move to the next column as it enters a key is pressed. To key in a space press **[]**. To move the cursor left or right press **[←]** or **[→]**.

Up to 20 digits can be set. If the 40 number is less than 20 digits, key in a space for the left of the number to fill all the digit positions. For example, to set 01 421 0101 key in 01 421 0101
 6. ends with a space)

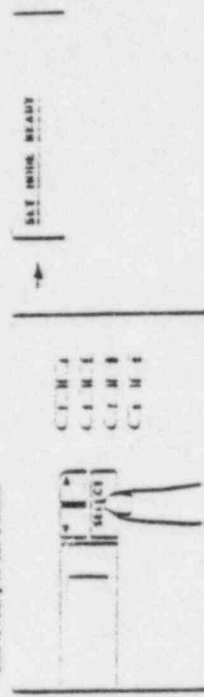
Example
 10 001 001 001 001 001



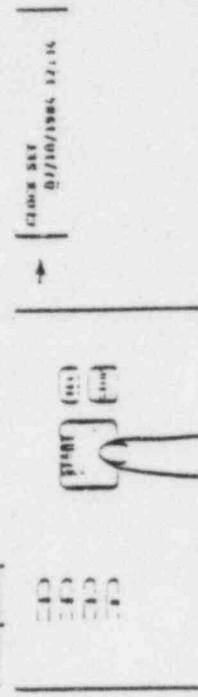
Setting the Password

The password (exactly a 4 digit number) is necessary for pulling Your Function 10, 400 and the other parts. It will not work the same password. If the password is not made in the correct pull will not work. This feature prevents the contents from being sent to the wrong party.

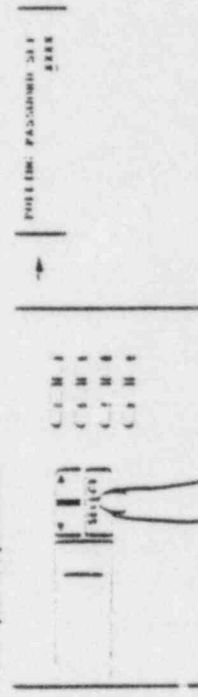
1 Press the **[SELECT]** until the LCD tells you the unit is ready to set a number



2 Press **[START]**



3 Press **[SELECT]** three times



Replacing Recording Paper

Replace the recording paper roll when the end mark appears in the right margin of the paper. When the roll is finished, push the roller and stop recording and the E.E.D. will display

END RECORDING PAPER
RECORDING PAPER

1 Press the **RECORDING PAPER** button downwards to open the paper current sheet



If there is still some paper left, remove it the roller to the right of the roller.

2 Turn the roller and insert a new roll into the paper box. Push the roller into the end and find the end of the recording paper. Turn the roller plates of the roller and find the end of the paper.



Notes
1 If the recording paper current sheet between the guide plates, turn the roller and find the end of the recording paper. Turn the roller plates of the roller and find the end of the paper.
2 The roller can be turned to the right to find the end of the recording paper. When the roller is turned to the right, the roller will find the end of the recording paper.



Problem Solving

3 Make sure that the recording paper is correctly mounted. If it is removed it will not reproduce images.



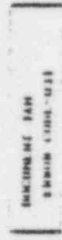
4 Check the paper carefully by pressing with your gently until you hear the sound. The sound indicates that the paper is correctly mounted.

The recording paper proper fits from the unit will be self automatically. Remove the set paper.



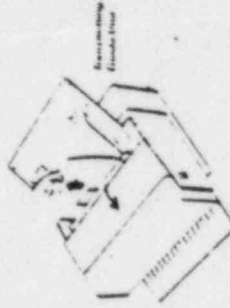
■ Clearing a Paper Jam

If a document jams in the unit, the LCD will display the following:

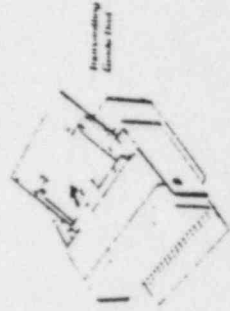


To clear the jam:

- 1 Remove any documents stuck on the ADF tray unit.
- 2 Open the front-loading guide unit toward you and remove the jammed document.



3 Return the front-loading guide unit to its original position.



■ Replacing the Fluorescent Lamp

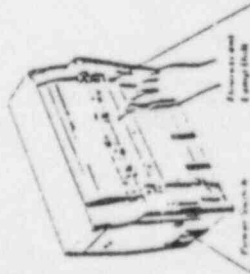
If the running light reports that the running light is defective, check the fluorescent lamp. If the running light is defective, check the lamp. If the running light is defective, check the lamp. If the running light is defective, check the lamp.

Note

The fluorescent lamp is very hot when the unit is on. Word 5 switches on the lamp after burning the FLUORESCENT switch. Do not touch the lamp.

1 Turn the FLUORESCENT off

Then stand the unit up and remove the fluorescent lamp unit as shown.



2 Open the fluorescent lamp unit. Remove the fluorescent lamp unit.

When inserting a new fluorescent lamp, make sure that the fluorescent part fits in with the main. Do not touch the right-hand corner.

Replace the lamp and return the unit to its original position. Turn the FLUORESCENT on.

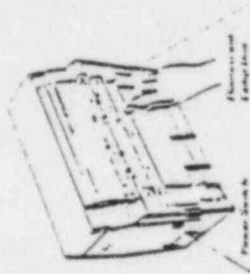


■ Replacing the Verification Stamp Unit

The verification stamp unit contains ink. When the stamp appears faded or hard to read, the stamp unit must be replaced.

1 Turn the POWER off

Then stand the unit up and remove the fluorescent lamp unit as shown.



2 Replace the verification stamp unit with a new one. Turn the power on.

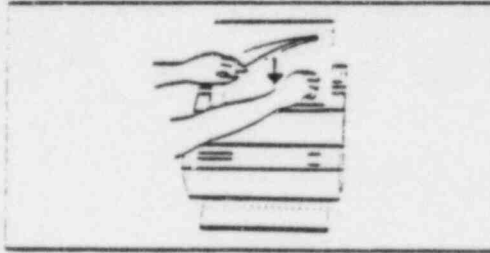


When the stamp unit is replaced, the stamp will appear on the front of the unit.

Transmitting Documents

■ Transmitting

1. Place your documents on the ADF tray unit face down and well aligned.
The control panel LCD will tell you that the unit is ready for transmission.

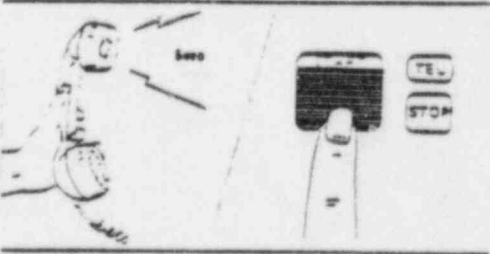


XMT READY

2. Dial the receiving party.



3. When you hear the "beep" sound, press **START** and hang up.



ON LINE * XMT *

The ID number (up to 12 digits) of the receiving party appears.

ON LINE * XMT *
ID:XXXXXXXXXXXX

The number (1-99) of transmitted originals appears.

COMPLETED
TOTAL PAGE=XX

Unit returns to standby

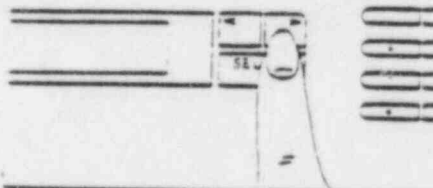
06/20/1984 12:25

■ Verification Stamp

The verification stamp is a small "x" in a circle (ⓧ). When your Penatex UF-400 is installed, the verification stamp will be set to appear at the bottom center of either the front or back side of each transmitted page. This stamp tells you that the page was successfully transmitted to (and received by) the other party.

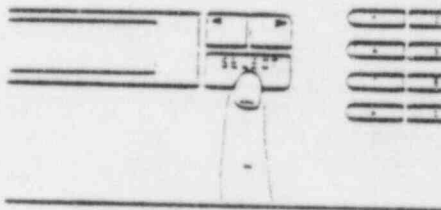
If you do not want your documents to be marked with the verification stamp (for example, when you transmit the pages of a contract), you can easily "stop" the stamp function with the following two-step procedure.

1. Press the > button until the LCD looks like this



NOT READY
STAMP=ON

2. Press SELECT



NOT READY
STAMP=OFF

Press SELECT again to change the setting back to ON

ADV

* XMT *

* XMT *

00

PAGE=NOX

PS- 12:35

STATE POLICE COMMUNICATIONS CENTER

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

NEW HAMPSHIRE STATE POLICE COMMUNICATIONS CENTER
EMERGENCY RESPONSE PROCEDURES
FOR THE
SEABROOK STATION NUCLEAR POWER PLANT

This document provides communication checklist procedures to be followed in the event of an incident at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the Shift Supervisor at the Communications Center in Concord in the event of an incident. Procedures describe actions to be taken according to each of four Emergency Classification Levels (ECL) which are outlined in ascending order of severity. REMEMBER, the New Hampshire State Police Communications Center is the initial point of contact of the notification Fan-Out for the entire State Emergency Response Organization and for the towns in the Emergency Planning Zone (EPZ). In theory, the notification portion of these procedures should be accomplished simultaneously. Practically, this means as many people as necessary should be detailed to get the notification procedure completed as soon as possible. There must not be any delay in accomplishing the tasks described in these Procedures. A lot of people are dependent upon you for their immediate notification.

UNUSUAL EVENT

Note Time

1. Receive notification from the Seabrook Station Nuclear Power Plant control room that an UNUSUAL EVENT* has been declared at Seabrook Station. Use Attachment 1 to record appropriate information. Dispatcher must notify shift supervisor immediately. Confirm receipt of alerting message over the Nuclear Alerting System (NAS) (orange phone) system, # 125, or confirm telephone notification by commercial telephone, call back to the control room (Tel. extension).
-

*IMPORTANT: If the message from the Power Station notifies New Hampshire that the the Power Station declared an UNUSUAL EVENT which was immediately terminated, go to STEP #3 of your procedures. DO NOT, repeat, DO NOT notify Rockingham County Sheriff's Dispatch. Continue with #3 of your checklist.

2. Notify Rockingham County Sheriff's Dispatch immediately of UNUSUAL EVENT at Seabrook Station. Use the State Police On-Line Telecommunications System (SPOTS) NAS #317, commercial telephone 679-2225, or use the NAWAS. Repeat the message exactly as received from the Power Station.
-

IMPORTANT: It is imperative that this notification call be made without delay after confirmation of the event in # 1.

3. Notify Diane Tefft, Manager of the New Hampshire Radiological Health Program of the UNUSUAL EVENT at Seabrook Station. Call 271-4588 (office), 524-3358 (home), or pager 1-800-812-2851. If no answer, contact alternate, Don Haile at 271-4585 (office) or 622-9618 (home); or Belva Mohle, 271-4585 (office) 224-8921 (home). Repeat the message exactly as received from the power station.
-

See Appendix B for DPH roster. Note the location and telephone number at which the DPH representative can be reached.

4. Notify New Hampshire Civil Defense Agency (NHODA) of UNUSUAL EVENT at Seabrook Station. During business hours, contact the Director or an alternate (see Appendix C), call 271-2231. During off-hours, contact the NHODA Duty Officer by telephone or pager. If the duty officer does not answer his telephone or page call, page the Civil Defense ALL-CALL, 059, and request that anyone from Civil Defense call State Police Communications Center, Code Three. Inform NHODA of the name, location and telephone number of the DPH representative contacted in the previous step. Also note the location and means for communicating with the NHODA representative contacted. _____
5. Time permitting, review Appendix A, general description of duties for Communications Center. _____
6. Stand by to receive additional information and continue communications. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status from Seabrook Station. If terminated, confirm message, then notify Civil Defense and Public Health officials, and Rockingham County Sheriff's Dispatch. If escalated, continue with appropriate checklist. _____

ALERT

Note Time

1. Receive notification from the Seabrook Station Nuclear Power Station control room that an ALERT has been declared at Seabrook Station. Use Attachment 1 to record appropriate information. Dispatcher must notify shift supervisor immediately. Confirm receipt of message over the Nuclear Alerting System (NAS) (Orange Telephone) system, # 125, or confirm telephone notification by telephone call back to the control room (Tel. extension). _____
2. Shift supervisor notify Rockingham County Sheriff's Dispatch without delay. Use the State Police On-Line Telecommunications System (SPOTS), commercial telephone 679-2225, NAS #317 or NAWAS. Repeat the message exactly as received from the Power Station. _____
3. Shift supervisor notify Diane Tefft, Manager of New Hampshire Radiological Health Program of an ALERT at Seabrook Station. Call 271-4588 (office), 524-3358 (home), or page 1-800-812-2851. If no answer, contact alternate Don Halle at 271-4588 (office) or 622-9618 (home); or Belva Mohle (office) 271-4585, or 224-8921. Note location and telephone number at which DPH representative can be reached. _____
4. Notify New Hampshire Civil Defense Agency (NHODA) of ALERT at Seabrook Station. During business hours, contact the Director or an alternate (see Appendix C), call 271-2231. During off-hours, contact the NHODA Duty Officer by telephone or pager. If the duty officer does not answer his telephone or page call, page the Civil Defense ALL-CALL, 059, and request that anyone from Civil Defense call State Police Communications Center, Code Three. Inform NHODA of the name, location and telephone number of the DPH representative contacted in the previous step. Also note the location and means for communicating with the NHODA representative contacted. _____

Note Time

5. Assign a senior officer to report to the EOC to participate in emergency response. _____
6. Notify Troop Commander of Troop A, Epping, of ALERT status. _____
7. Receive notification from NHCDA that EOC is operational and ready to direct emergency response including communication with Seabrook Station. _____
8. Stand by to receive and respond to requests for aid and directions from Civil Defense Director at EOC. Receive notification of (a) termination of emergency status, or (b) escalated emergency status from EOC. If terminated notify Troop A Troop Commander. If escalated receive notice of escalation and proceed with checklist. _____

SITE AREA EMERGENCY

Note Time

1. Receive notification that a SITE AREA EMERGENCY has been declared at Seabrook Station. Use Attachment 1 to record appropriate information. If EOC has not been activated, notification will come directly from Seabrook Station. In the event EOC has not been activated shift, supervisor notify Rockingham County Sheriff's Dispatch, Manager, New Hampshire Radiological Health Program and New Hampshire Civil Defense Agency of SITE AREA EMERGENCY status by fastest available means. Use notification information provided in ALERT checklist, paragraphs #2, 3 and 4. for alerting procedures.

Rockingham County Sheriff's Dispatch
Radiological Health Program, N.H. Div. of Public
Health Services
N. H. Civil Defense Agency

2. Confirm that all ALERT checklist procedure steps have been completed. Assign a communications specialist to report to the State EOC, if requested.
3. Notify Troop Commander of Troop A, Epping, of SITE AREA EMERGENCY status.
4. Stand by to receive and respond to requests for aid and directions from the Civil Defense Director or from the EOC. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status. If terminated notify Troop A Troop Commander. If emergency escalates receive notification of escalation and proceed with appropriate checklist.

GENERAL EMERGENCY

Note Time

1. Receive notification that a GENERAL EMERGENCY has been declared at Seabrook Station. Use Attachment 1 to record appropriate information. If EOC has not been activated, notification will come directly from Seabrook Station Nuclear Power Plant Control Room. In the event EOC has not been activated notify Rockingham County Sheriff's Dispatch, New Hampshire Radiological Health Program Manager and New Hampshire Civil Defense Agency of GENERAL EMERGENCY status by fastest available means. Use notification procedures in ALERT checklist, paragraphs # 2, 3, and 4, for alerting procedures.

Rockingham County Sheriff's Dispatch.

Radiological Health Program, N.H. Div. of Public
Health Services.

N. H. Civil Defense Agency.

2. If the accident at the station begins at the GENERAL EMERGENCY level and NHCOA cannot be contacted within 15 minutes, and ONLY in this case, the shift supervisor should undertake two intermediate actions. 1.) He must notify Rockingham County Sheriff's Dispatch to activate the Seabrook Station public notification sirens (see Appendix D). 2.) He must activate the New Hampshire EBS system. The procedure for doing this is outlined in Appendix E. Following this, efforts to contact NHCOA must be renewed.
3. Confirm that all ALERT and SITE AREA EMERGENCY checklist procedures have been completed.
4. Notify Troop Commander of Troop A, Epping, of GENERAL EMERGENCY status.
5. Stand by to receive and respond to requests for aid and directions from the Civil Defense Director or from the EOC.

ATTACHMENT #1

INITIAL NOTIFICATION FACT SHEET

BLOCK 1. "THIS IS _____
(Name) (Title)
AT SEABROOK STATION, SEABROOK, NEW HAMPSHIRE.

BLOCK 2. WE HAVE DECLARED A (N): _____ UNUSUAL EVENT
_____ ALERT
_____ SITE AREA EMERGENCY
_____ GENERAL EMERGENCY

*BLOCK 3. WE RECOMMEND THE FOLLOWING:
_____ NO PROTECTIVE ACTIONS RECOMMENDED (GO TO BLOCK 4).

NEW HAMPSHIRE
SHELTER EVACUATE

_____	_____	SEABROOK	_____
_____	_____	HAMPTON FALLS	_____
_____	_____	HAMPTON	A
_____	_____	KENSINGTON	_____
_____	_____	SOUTH HAMPTON	C
_____	_____	NORTH HAMPTON	D
_____	_____	BRENTWOOD	_____
_____	_____	EAST KINGSTON	_____
_____	_____	EXETER	_____
_____	_____	KINGSTON	F
_____	_____	NEWFIELDS	_____
_____	_____	NEWTON	_____
_____	_____	STRATHAM	_____
_____	_____	GREENLAND	_____
_____	_____	NEW CASTLE	_____
_____	_____	PORTSMOUTH	_____
_____	_____	RYE	_____

MASSACHUSETTS
SHELTER EVACUATE

_____	_____	AMESBURY	_____
_____	_____	SALISBURY	B
_____	_____	MERRIMAC	_____
_____	_____	NEWBURY	_____
_____	_____	NEWBURYPORT	E
_____	_____	W. NEWBURY	_____

ATTACHMENT #1 Continued

BLOCK 4. THE EMERGENCY: _____ HAS BEEN TERMINATED
_____ IS CONTINUING

BLOCK 5. I REPEAT, THIS IS SEABROOK STATION. PLEASE ACKNOWLEDGE RECEIPT OF
THIS MESSAGE WITH YOUR NAME.

NEW HAMPSHIRE _____
(NAME OF DISPATCHER) (TIME)

MASSACHUSETTS _____
(NAME OF DISPATCHER) (TIME)

VERIFY THAT BOTH STATES HAVE RECEIVED CORRECT INFORMATION BY ASKING
ONE OR BOTH TO READ BACK THE INFORMATION.

BLOCK 6. AUTHORIZED BY: _____
NHV/STED/SED/EOF Co. DATE/TIME

*Non-delegable responsibility

APPENDIX A

Description of State Police Communications Center RERP Duties

In the event of an emergency situation at Seabrook Station the New Hampshire State Police Communications Center plays a vital role in the State Emergency Response Organization. Its primary duty is the prompt notification of the Division of Public Health (DPH), Civil Defense (CD) officials and the Rockingham County Sheriff's Dispatch. Nearly as important is its continuing role in maintaining communications. Until the State EOC is activated, the Communications Center must ensure that accurate communications are maintained between all critical points. This duty includes forwarding plant status information to DPH and CD officials, expediting flow of information among State officials, and forwarding information and instructions from State officials to Rockingham County Sheriff's Dispatch and the seventeen New Hampshire communities within the plume exposure Emergency Planning Zone (EPZ). The role of the Communications Center becomes particularly critical during a rapidly escalating emergency situation (i.e. when the plant progresses rapidly through the emergency action levels). In such a situation, a substantial amount of communication may be handled by the Communications Center before the State EOC can be effectively activated.

Upon activation of the EOC, the role of the Communications Center becomes important in the role of a backup communications center. At this time, the EOC begins to deal directly with Seabrook Station, with the State agencies, with Rockingham County Sheriff's Dispatch and the towns in the EPZ. The Communications Center, at this point, reverts to directing State Police activities and supporting the EOC.

APPENDIX B

Division of Public Health Services Contact Roster

	<u>Business</u>	<u>Home</u>
1) Diane E. Tefft	271-4588 Health & Welfare Bldg. Hazen Drive, Concord Pager 1-800-812-2851	524-3358 171 Gold Street Laconia, NH
2) Donald E. Halle	271-4585 Health & Welfare Bldg. Hazen Drive, Concord	622-9618 4 Camelot Dr. Hooksett, NH
3) Belva Mohle	271-4585 Health and Welfare Bldg. Hazen Drive, Concord	224-8921 11 Beacon St. Apt. 6 Concord, N.H.
4) Wayne F. Johnston	271-2023 Health & Welfare Bldg. Hazen Drive, Concord	669-6544 RFD #7 17 Lantern Lane Hooksett, NH
5) John R. Stanton	271-4583 Health & Welfare Bldg. Hazen Drive, Concord	623-4743 129 Moore St. Manchester, NH
6) William T. Wallace, Jr.	271-4501 Health and Welfare Bldg. Hazen Drive, Concord	746-3831 Amesbury Road Contoocook, N.H.

APPENDIX C

Civil Defense Agency Roster

State Civil Defense headquarters	Telephone
State Office Park South 107 Pleasant St. Concord, N.H. 03301	271-2231 1-800-852-3792
-----	-----
STATE DIRECTOR	Richard Strome Route 13 Goffstown, NH 03081
	774-3837 Pager 050
-----	-----
DEPUTY DIRECTOR	James Saggiotes 23 Summit Road Newport, N.H. 03773
	863-3254 Pager 051
-----	-----
CHIEF, TECH HAZARDS BRANCH	Michael M. Nawoj R.F.D. #1, Normand Road Goffstown, NH 03045
	497-3249 Pager 054
-----	-----
SENIOR FIELD REPRESENTATIVE TECH HAZARDS BRANCH	David H. Deans R.F.D. #8, Box 127 Concord, N.H. 03301
	798-5440 Pager 058
-----	-----
CHIEF, OPERATIONS BRANCH	H. Mead Herrick R.F.D. #3, Knox Road Concord, N.H. 03301
	224-3249 Pager 053
-----	-----
SENIOR FIELD REPRESENTATIVE	Robert J. Pariseau 93 Rosedale Ave. Manchester, N.H. 03103
	627-3002 Pager 058
-----	-----
OPERATIONS AND PLANNING OFFICER	Leland Kimball R.F.D. #9, 53 Putney Rd. Concord, N.H. 03301
	774-4981 Pager 055
-----	-----
SENIOR FIELD REPRESENTATIVE/ HEALTH PHYSICIST	Deena C. Perelman 706 Alton Woods Drive Concord, N.H. 03301
	225-7418 Pager
-----	-----

APPENDIX D

STATE OF NEW HAMPSHIRE
STATE POLICE COMMUNICATIONS CENTER

Procedure for Immediate Activation
of Prompt Public Alert/Notification System

I. PREREQUISITES

- A. This procedure is to be implemented only when there is immediate notification of GENERAL EMERGENCY.
- B. Notification message must note affected towns in order to determine proper emergency broadcast message for release.
- C. Emergency actions A through F must be completed within 15 minutes.

II. ACTIONS

Note Time

State Police Communications Center Shift Supervisor:

- A. Receive initial notification from Seabrook Station Communicator. _____
- B. Select appropriate message based on affected towns from attached General Emergency messages. _____
- C. Notify Rockingham County Sheriff's Dispatch at tel. #679-2225, SPOTS, NAS #317 and request immediate verification. _____
- D. Receive verification call back from Rockingham County Sheriff's Dispatch and direct Rockingham County Sheriff's Dispatch to activate sirens. _____

- | | <u>Note Time</u> |
|---|------------------|
| E. Call Emergency Gateway Station WOKQ at tel. # 1-742-5801
and request immediate verification. | _____ |
| F. Receive verification call back from WOKQ and direct WOKQ
to broadcast General Emergency Message # ____. | _____ |
| G. Complete notifications specified in notification
procedure and advise persons notified that: | _____ |
| 1. Sirens have been activated. | _____ |
| 2. General Emergency message # ____ has been
broadcast. | _____ |

APPENDIX E

Procedure for Activating
New Hampshire Emergency Radio Broadcast System (ERBS)

- Call WOKQ, Dover N.H. Tel. 742-
- Governor Are the only authorities
 CD that can order the ERBS activated.
- Commerical telephone from EOC
- Telephone RPU from the EOC

CIVIL AIR PATROL

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Civil Air Patrol

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant (SS). These procedures are implemented by CAP in the event of an accident. The procedures describe action to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

UNUSUAL EVENT

Note Time

An UNUSUAL EVENT requires no response from New Hampshire CAP.

ALERT

1. In the event of an ALERT at Seabrook Station, NHCOA will notify the staff of the CAP. The Emergency Services Officer will be the primary contact; alternate contacts will be the Operations Officer or the NHCAP Commander. A call list is attached as Appendix A. _____
2. The CAP representative contacted will initiate the CAP alert roster. CAP members will be placed on standby. _____
3. Emergency response personnel from CAP will stand by to receive additional information. CAP will receive notification of a) termination of emergency status, or b) escalation of emergency status from NHCOA. If terminated, all CAP personnel will be notified and released. If escalated, proceed with checklist. _____

SITE AREA EMERGENCY AND GENERAL EMERGENCY

Note Time

1. In the event of a SITE AREA EMERGENCY or a GENERAL EMERGENCY, New Hampshire CAP will be notified. The Emergency Services Officer will be the primary contact; alternate contacts will be the Operations Officer or the NHCAP Commander. A call list is attached as Appendix A. _____
2. The CAP representative contacted will initiate the CAP alert roster. The CAP members will be informed of the emergency status and told that the Wing HQ is being activated. _____
3. The Wing HQ will be activated and used as an assembly point for CAP volunteers. _____
4. A Mission Coordinator will be designated. The Mission Coordinator and an assistant will report to the State EOC at 107 Pleasant Street, Concord. The Mission Coordinator is to report his availability to the NHCOA Agency Liaison Officer upon arriving. _____
5. Two aircraft will be prepared for use. Both will be initially assigned to Concord. Both will have pilots ready for assignment. _____
6. One of the aircraft will be dispatched to Pease AFB, but only after being released by the Mission Coordinator at the EOC. Before releasing the aircraft to fly to Pease AFB the Mission Coordinator will inform the NHCOA Operations Officer of the availability of the flight to transport personnel or equipment to Pease AFB. _____
7. Dispatch one aircraft to Pease AFB. Send subcoordinator with this flight to initiate operations from the State IFO/EOF at Newington Station, Newington, NH. _____

Note Time

8. Contact Seacoast CAP Squadron. Call Seacoast Squadron Commander or Net Control Station. Arrange for ground transportation and staffing of IFO/EOF. _____
9. Stand by for requests for support from either the EOC or the IFO/EOF. Be prepared to provide air transportation, air monitoring of the plume, aerial observation of evacuation, communications support, or general ground support to NHODA. _____
10. Provide for shift relief during prolonged emergency. _____
11. Stand by until emergency de-escalates. _____

APPENDIX A

New Hampshire Civil Air Patrol Call List

<u>Name</u>	<u>Business</u>	<u>Home</u>
Cpt. Cheney	382-5331	382-4922
LTC. Conger	524-3032	528-2264
Maj. Goodin	224-7474	286-7157
Maj. Lockwood		267-6949

STATE HIGHWAY DEPARTMENT

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire State Highway Department

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at Seabrook Station Nuclear Power Plant. These procedures are implemented in the event the Department is contacted by NHODA to respond to an emergency at the nuclear power plant. The procedures describe action to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT or ALERT

No response required by State Highway Department.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from State EOC that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has been declared at Seabrook Station. NHODA or its representative will contact the Commissioner's office (271-3734). If there is no answer NHODA will contact the on-duty supervisor at Division #5, Hooksett (485-5767). _____
2. Initiate the State Highway Department emergency response call list. (See Appendix A). The available personnel will report to the Morton building, Concord, for assignment. _____
3. Direct Henry McCrone, Division Engineer (office 868-1133, 868-1217 or 868-1218, home 742-4987), to report to the State IFO/EOF at Newington Station, Newington NH. If no answer contact alternate, John Hayes' office (964-8575) or call the 24-hour emergency number in Hooksett (485-5767).

Upon arriving at the IFO/EOF he should report his availability to the NHODA IFO Controller and to the ranking State Police Officer. After reporting, he should be prepared to take direction for instituting access control, traffic control or other duties from either the State Police Officer or the NHODA.

4. The Commissioner, or his representative should report to the State EOC at 107 Pleasant Street, Concord, to coordinate State Highway Department emergency response support activities. Report availability to the ranking State Police Officer at the EOC and to the ranking NHODA official.
 5. Be prepared to support emergency response activities of the State Police. Be prepared to assist with traffic control, communications, transportation and maintenance of evacuation routes (including snow and debris clearance and towing as necessary).
 6. Stand by until released by the NHODA officials coordinating the State's emergency response efforts.
-

APPENDIX A

New Hampshire State Highway Department Emergency Response Call List

	<u>Office</u>	<u>Home</u>
Comm. Wallace Stickney	271-3734	
John Flanders	271-3738	225-3796
Rael Webb	271-3735	224-1476
Walter Mead	271-3736	225-6789
Harland Roberts	271-3737	224-4162
Edgar Huckins	271-3739	664-2826
Highway Communications Center- Hooksett	485-5767	
Robert Hogan	271-2693	569-4735

DEPARTMENT OF RESOURCES
& ECONOMIC DEVELOPMENT

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

12/85

New Hampshire Department of Resources and Economic Development

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides a checklist of the responsibilities of this agency in the event of an accident at the Seabrook Station Nuclear Power Plant. These duties should be discharged upon notification by NHCDA that there is an emergency at the plant that warrants a response by the State of New Hampshire and its emergency response organization. The duties correspond to four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT and ALERT

An unusual event requires no response from DRED.

ALERT

1. Receive notification from NHCDA that an ALERT has been declared at the Seabrook Station Nuclear Power Plant. NHCDA will contact John Flanders, 271-2411 (business), 225-3796 (home); or John Sargent, 271-2217 (business), 435-8580. _____
2. Send a responsible representative to the State EOC at 107 Pleasant Street, Concord. This representative should report his availability to the NHCDA Agency Liaison Officer upon arriving. _____
3. Review the list of DRED facilities that may need to be contacted if the emergency escalates (Appendix A). _____

Note Time

4. Stand by for instruction from NHCDA. DRED will receive notification of a) termination of emergency status, or b) escalation of emergency status. If terminated DRED personnel will be notified and released. If escalated proceed with checklist.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from NHCDA that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has taken place at Seabrook Station Nuclear Power Plant. Normally this notification will be received by the DRED representative in the EOC. If the notification is not received by the DRED representative already at the EOC see that ALERT Steps 1-4 are completed.
2. Contact officials at the DRED properties enumerated in the Appendix A, call list. Determine the status of these facilities and provide this information to the NHCDA Operations Officer at the EOC.
3. Stand by for direction from NHCDA. Be prepared to order the closing and/or evacuation of DRED properties.
4. Stand by to provide information and to respond to direction by NHCDA staff.

APPENDIX A

Department of Resources and Economic Development
Properties Call List

<u>Name</u>	<u>Facility</u>	<u>Telephone</u>
1. Kim Salamy Donald Road Raymond, NH	o Easton State Forest o Powwow River State Forest o Rock Rimmon State Forest	895-9994
2. Alfred Grimes 7 Mill Hill Road Madbury, NH	o Urban Forestry Center	742-6923
3. Richard MacLeod	o Fort Constitution o Hampton Beach State Park o Odiorne Point o Rye Harbor State Park o Fort Stark o Wallis Sands State Park o Coolidge Wentwork Site o Jenness Beach o Hampton Beach o North Hampton Beach	436-6607
4. William Knee	o Kingston State Park (Seasonal)	642-5471 895-9992
5. Ken Lang	o Portsmouth River o Rye Dock o Hampton Dock	431-1170 436-0874

DEPARTMENT OF FISH & GAME

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Fish and Game Department

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides a checklist of the responsibilities of this agency in the event of an accident at the Seabrook Station Nuclear Power Plant. These duties should be discharged upon notification by NHCDA that there is an emergency at the plant that warrants a response by the State of New Hampshire and its emergency response organization. The duties correspond to four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT and ALERT

The first two Emergency Classification Levels require no response by the New Hampshire Fish and Game Department.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from the State EOC that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has taken place at the Seabrook Station Nuclear Power Plant. NHCDA will contact Mason Butterfield 271-3127 (business), 225-2805 (home) or David Hewitt 271-3129 (business), 279-8067 (home). In turn these people will notify the Director. _____
2. Send a responsible representative to the State EOC at 107 Pleasant Street. This representative should report his availability to the NHCDA Agency Liaison Officer upon arriving. Upon arriving assign an officer to report to the State IFO/EOF at Newington Station, Newington NH. _____

Note Time •

3. Stand by to provide information and to respond to direction by NHCOA staff. Duties may include assisting with access control, communications or traffic control. _____

PUPIL TRANSPORTATION SAFETY

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

Director of Pupil Transportation Safety

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are implemented by the Director of Pupil Transportation Safety, or his designate, in the event of an accident at the power plant. These procedures describe actions to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

An UNUSUAL EVENT requires no response from Pupil Transportation Safety.

ALERT

1. In the event of an ALERT at Seabrook Station NHCDA will notify Pupil Transportation Safety. Mike Coltin (271-2485 or 434-4282 or MV-21 via S.P.) will be the primary contact; Ken Lewis(271-2764; home: 225-6067) will be the alternate contact. _____
2. The Pupil Transportation Safety person contacted by NHCDA should stand by to receive additional information. Receive notification of a) termination of emergency status, or b) escalation of emergency status. If escalated continue with checklist. _____

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. In the event of a SITE AREA EMERGENCY or a GENERAL EMERGENCY, Pupil Transportation Safety will be notified by NHCDA. Mike Coltin (271-2485 or 434-4282 or M.V.-21 via S.P.) will be the primary contact; Ken Lewis (271-2764 or 225-6067) will be the alternate. _____

2. The person contacted will report to the State EOC at 107 Pleasant Street, Concord, to supervise any necessary Pupil Transportation Safety Staff activities. If possible, bring a secretary to help with phone calls. Report availability to NHCDA Agency Liaison Officer upon arrival. _____

3. Review status of schools in the EPZ. Are schools in session? Are sufficient buses available at the site to evacuate the schools in session? If not how long will it take to mobilize the necessary buses? Are road conditions conducive to an evacuation? (A call list for Brentwood, East Kingston, Exeter, Greenland, Kingston, New Castle, North Hampton, Portsmouth, Seabrook, Stratham, Hampton, Hampton Falls, Kensington, Newfields, Newton, Rye, South Hampton school systems is attached as Appendix A). Be prepared to report to NHCDA. _____

4. Review availability of buses from outside the EPZ to be used for emergency transportation (see Appendix B for call list of potentially available buses). Be prepared to report to NHCDA. _____

5. Pupil Transportation Safety Staff at EOC stand by to receive and respond to requests for aid, information and directions from NHCDA staff. Staff will be released as emergency de-escalates. _____

APPENDIX A

Schools Call List

<u>Town</u>	<u>Code</u>	<u>School</u>	<u>Grades</u>	<u>Number of Pupils</u>	<u>Administrator</u>	<u>Phone</u>
Brentwood	P	Swasey Central	1-6	162	Margaret Griffin	642-3487
East Kingston	P	Elementary	1-6	87	Sally Bowen	642-3511
	OC	Mrs. Kemp's Day Care Ctr.	--	10	Mrs. Kemp	642-5875
	OC	Grace Bible Church Day Care	--	30	Garris Crisp	642-8701
Exeter	P	Jr. High	7-8	571	Mr. Mann	778-7772
	P	High School	9-12	1644	Walter Borkowski	772-7772
	P	Elementary	1-6	548	Ms. Schremmer	772-3071
	P	Main Street	1-6	264	Thomas Mann	772-2444
	OC	Exeter Headstart	--	18	Barbara McNamee	772-6031
	OC	The Montessori School of Exeter	--	93	Meredith Goodrick	772-5558
	OC	Exeter Child Care Center	--	45	Robin McKenney	772-4132
	OC	The Exeter Day School	--	150	Laurie Caporello	772-3342
	OC	The Little School	--	24	Virginia Velardo	772-5656
	OC	Richie McFarland Children's Center	--	15	Meg Driscoll	778-8193
	PR	Phillips Exeter Academy	--	973	John Heath (Dean)	772-4311
Greenland	P	Central	1-8	276	Dr. Carl Wood	431-6723
Hampton	P	High School	9-12	1215	Eugene Hawley	926-3395
	P	Jr. High School	5-8	611	Richard Annis	926-2000
	P	Marston School	3-4	241	George Paras	926-8708
	P	Center School	K-2	365	Ms. Gaudette	926-8706
	PR	Sacred Heart	1-8	135	Jeff Quinn	926-3254
	PR	Hampton Christian	N-8	75	Mrs. Barriss	926-4165
	OC	Asian's Pride	--	20	Nancy Heppburn	926-6084
	OC	Happy Apple Nursery	--	20	Deborah Sullivan	926-5069
	OC	Taylor	--	15	Anne Taylor	926-8593
	OC	Hampton Headstart		18		
	OC	Peak-A-Boo		12		
	OC	Montessori	--	36	Anne marie Grigos	926-3347

Code: P - Public, PR - Private, OC - Day Care

APPENDIX A (Continued)

Hampton Falls	P	Elementary	1-8	142	Brian Buckley	926-2539
	DC	Hampton Falls Kindergarten and Nursery	--	31	Marie Janvrin	926-2491
	DC	Hampton Falls Child Care Center	--	15	Larry Ford	926-9551
Kensington	P	Elementary	1-8	113	Frank Scala	772-5705
Kingston	P	Bakie School	1-5	313	Joyce Hughes	642-5272
	P	Sanborn Reg.	9-12	520	Victor Daley	642-3341
	DC	Spring Hill	--	6	Jean Hall	642-5220
	DC	Kingston Childrens Center + Annex	--	48	Cynthia Smith	642-3200
	DC	South Road	--	110	Norma Quintal	778-1251
New Castle	P	Elementary	1-6	17	Helen Oroski	436-5416
Newfields	P	Elementary	N-8	75	Mary Beth Stevens	772-5555
Newton	P	Sanborn Regional	6-8	353	Gardner Hulbert	382-6226
	P	Memorial	1-5	269	Paul Hanson	382-5251
	DC	Teddy Bear Nursery	--	50	Pat Estabrook	381-5361
	DC	Happy Hour Kindergarten	--	30	Beverly Boulter	388-1063 (617)
North Hampton	P	Elementary	1-8	400	Joanne Hammond	964-5501
	DC	North Hampton Nursery	--	22	Peggy Brown	964-8687
	DC	The Whole Child School	--	13	Lorraine Hart	964-6117
	DC	Busy Beaver	--	18	Maurine Preston	964-6682
Portsmouth	P	Jr. High	7-8	675	John Stockle	436-5781
	P	Brackett Elem.	K-6	630	Ernest Guimond	436-7802
	P	Dondaro Elem.	K-6	430	Fred Apt	436-2231
	P	High School	9-12	1737	Mr. Mayo	436-7100
	P	Sherburne	K-6	120	Canio Petruzzi	436-5026
	P	Little Harbor	K-6	500	Mr. Heffermann	436-1708
	P	wentworth	K-6	255	Joan wood	436-8228
	P	New Franklin	K-6	300	Mr. Mulkern	436-0910
	PR	Lady Isle	K-8	193	Sister Mary Josita	436-2167
	PR	Saint Patricks	N-8	268	Sister Carol	436-0739
	PR	Bethel Christian Academy	1-12	125	Mr. Wing	436-3396

Code: P - Public, PR - Private, DC - Day Care

APPENDIX A (Continued)

Portsmouth (Continued)	DC	Community Day Care	--	150	Angela Prete	436-8414
	DC	The First Step, Inc.	--	20	Scottie Robinson (F)	431-4220
	DC	The Children's Garden	--	64	Connie Parsons	431-6565
	DC	Happy Day Nursery	--	20	Bette Hurdle	436-4381
	DC	Agape School	--	48	Susan Brindell	436-8623
	DC	Country Nursery School	--	28	Angela Nola	436-2820
	DC	Alpha Academy	--	60	Mrs. Grant	436-1361
	DC	Headstart	--	18	Karen Burbank	436-3288
	DC	Seacoast Day Care	--	50	Priscilla Wilson	430-8977
	DC	Chase Home	--	30	Jim Potter	436-2216
Rye	P	Elementary	1-5	252	Susan Bunting	436-4731
	P	Jr. High	6-8	220	Greg Kendall	964-5591
	DC	Center for Early Learning	--	50	Paula Craig	436-5074
	DC	Sunshine and Buttercups	--	40	Katherine Hodgeman	964-9715
	DC	Briar Patch Nursery	--	20	Brenda McKenna	436-5393
Seabrook	P	Elementary & Jr. High	K-8	587	Louis Nardello	474-3822
	DC	Gingerbread House Creative Center	--	30	Gwen Moonogian	474-3669
	DC	Seabrook Day Care Center	--	30	Kristie Conrad	474-3110
South Hampton	P	Barnard School	1-8	81	Terry Marinos	394-7744
Stratham	P	Memorial	1-6	254	David Michand	772-5413
	DC	Acorn School	--	35	Rebecca Hayden	778-6285
	DC	Country Kids	--	12	Donna Dennery	778-0778
	DC	The Kids Stop	--	20	Deborah Edwards	772-1041
	DC	Pumpkin Patch Preschool	--	24	Sharon Hallett	778-0851
	DC	Bayview Nursery	--	37	Rosemary Hatch	778-8370

Code: P = Public, PR = Private, DC = Day Care

APPENDIX B

SEABROOK EPZ BUS TRANSPORTATION

By Town

<u>Transportation Needs</u>			<u>Transportation Resources</u>		
<u>Town</u>	<u>Buses</u>	<u>Vans</u>	<u>Company</u>	<u>Buses</u>	<u>Vans</u>
Brentwood	14		Berry Jan Car	1 13	
East Kingston	4		Timberlane (Salem)	4	
Exeter	144		Manchester Transit Authc. City Jan Car	82 82	
Greenland	9	1	City of Dover	9	1
Hampton	75		Berry Timberlane (Salem)	40 35	
Hampton Falls	6	4	Berry	6	4
Kensington	6		Timberlane (Plaistow)	6	
Kingston	24	3	Timberlane (Kingston) Jan Car	6 13	3
New Castle	4	1	Jan Car	4	
Newfields	4	6	Carry Van (Durham)	4	
Newton	16	6	Timberlane (Kingston) Jan Car	6 13	3
North Hampton	11	4	Berry	11	4
Portsmouth	226	6	Timberlane (Portsmouth) Town of Durham Somersworth Watson Warburton City of Dover Jan Car	31 23 15 50 4 13 93	6
Rye	18		Berry Dineen	5 13	
Seabrook	28	2	Berry Timberlane (Plaistow)	5 23	2
South Hampton	4		Timberlane (Plaistow)	4	
Stratham	10	7	Berry Welch Jan Car	2 8 7	

SEABROOK EPZ BUS TRANSPORTATION

By Transportation Company

<u>Company</u>	<u>Town</u>	<u>Buses</u>	<u>Vans</u>
Berry	Brentwood	1	
	Hampton	40	
	Hampton Falls	4	4
	North Hampton	11	4
	Rye	9	
	Seabrook	5	
	Stratham	2	
		<u>74</u>	<u>8</u>
Carry Van (Durham)	New Fields	4	
		<u>4</u>	
Dineen	Rye	13	
		<u>13</u>	
Dover, City of	Greenland	9	1
	Portsmouth	13	
		<u>22</u>	<u>1</u>
Durham, City of	Portsmouth	20	
		<u>20</u>	
Jan Car	Brentwood	13	
	Exeter	62	
	Kingston	18	3
	New Castle	4	1
	Newton	18	3
	Portsmouth	93	6
	Stratham	7	
		<u>208</u>	<u>20</u>
Manchester Transit Authority	Exeter	82	
		<u>82</u>	
Somersworth	Portsmouth	15	
		<u>15</u>	
Timberlane Kingston	Kingston	6	
	Newton	6	
		<u>12</u>	
Timberlane (Plaistow)	Kensington	6	
	Seabrook	23	2
	South Hampton	4	
		<u>33</u>	<u>2</u>

<u>Company</u>	<u>Town</u>	<u>Buses</u>	<u>Vans</u>
Timberlane (Portsmouth)	Portsmouth	$\frac{31}{31}$	0
Timberlane (Salem)	East Kingston Hampton	$\frac{4}{35}$ $\frac{39}{39}$	
Warburton	Portsmouth	$\frac{4}{4}$	
Watson	Portsmouth	$\frac{50}{50}$	
Welch	Stratham	$\frac{8}{8}$	
		$\frac{615}{615}$	$\frac{31}{31}$

ROCKINGHAM COUNTY DISPATCH CENTER

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

12/85

Rockingham County Dispatch Center
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

The following are checklist procedures to be followed by personnel of Rockingham County Dispatch Center in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures describe actions to be taken in response to each of the four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

1. Notification will be received from State Police Communications Center in Concord by radio, Nuclear Alerting System (NAS-Orange Phone), commercial telephone or NAWAS Phone. Any communications link other than the NAS requires verification by call back to State Police Communications Center.

NOTE: WHEN TWO DISPATCHERS ARE ON DUTY, ONE WILL PROCEED IMMEDIATELY TO STEP 2 WHILE THE OTHER WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH. WHEN ONLY ONE DISPATCHER IS ON DUTY, HE/SHE WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH AFTER COMPLETING STEP 2.

2. The ALERTING TONE will be sounded and the following message will be broadcast on Channels 2, 3, L4, S4 and Seacoast Fire Mutual Aid.

Note Time

"ATTENTION ALL ROCKINGHAM CARS & STATIONS -
SIGNAL 1000 - REPEATING - SIGNAL 1000.
EMERGENCY TRAFFIC ONLY WILL BE ACCEPTED
UNTIL FURTHER NOTICE."

3. The ALERTING and PAGER TONES will be sounded and the following message will be broadcast on Channels 2, 3, L4 and S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL UNITS AND STATIONS IN THE
SEABROOK EMERGENCY PLANNING ZONE - STANDBY
FOR AN EMERGENCY MESSAGE."

Repeat tones and continue with the following:

"ATTENTION ALL UNITS AND STATIONS IN THE SEABROOK
EMERGENCY PLANNING ZONE - SEABROOK STATION HAS
DECLARED AN UNUSUAL EVENT. STANDBY TO ACKNOW-
LEDGE THIS MESSAGE, THEN PROCEED ACCORDING TO
INDIVIDUAL COMMUNITY PROCEDURES."

"THIS IS NOT A TEST - I REPEAT - THIS IS NOT A
TEST."

"ALL UNITS - ACKNOWLEDGE WITH YOUR CALL NUMBER"

"ROCKINGHAM TO:"

<u>Community</u>	<u>Agency Alerted</u>	<u>Note Time</u>
SEABROOK	Police Dispatch	_____
HAMPTON FALLS	Police Officer on Duty	_____
HAMPTON	Police Dispatch	_____
SOUTH HAMPTON	Selectmen & Fire Dispatch	_____
KENSINGTON	Fire Dispatch	_____
NORTH HAMPTON	Fire Dispatch	_____
NEWTON	Police Officer on Duty	_____

		<u>Note Time</u>
EAST KINGSTON	Police Officer on Duty	_____
EXETER	Exeter Public Safety Dispatch	_____
STRATHAM	Newmarket Dispatch	_____
GREENLAND	Police Officer on Duty	_____
RYE	Fire Dispatch	_____
PORTSMOUTH	Fire Dispatch	_____
NEWFIELDS	Police Officer on Duty	_____
BRENTWOOD	Police Officer on Duty	_____
KINGSTON	Police Officer on Duty	_____
NEWCASTLE	Police Officer on Duty	_____

IMPORTANT

If acknowledgement is not received from a station or local unit at the first request, the station will be repaged, if acknowledgment is still not received attempt to contact them by telephone as soon as possible. The "Fire Phone/Red Network" may be used to notify any town whose police do not respond after a reasonable effort has been made to contact them. If the fire department is contacted, this will constitute town notification.

4. Report to the State Police Communications Center that local notifications have been made and acknowledged. _____
5. Stand by to receive additional information from the State Police Communications Center. At this point the SIGNAL 1000 status may be terminated if the situation warrants it. _____

When UNUSUAL EVENT status has either been terminated or escalated we will be notified by the State Police Communications Center. In either case, the towns will be advised by General Broadcast over Channels 2, 3, L4, S4, and Seacoast Fire Mutual Aid and they will acknowledge the message using the checklist above. _____

ALERT

NO offsite protective actions are required during an ALERT.

1. Notification will be received from State Police Communications Center in Concord by radio, Nucelar Alerting System (NAS-Orange Phone), Commercial Telephone or NAWAS phone. Any communications link other than the NAS requires verification by call back to State Police Communications Center.
-

NOTE: WHEN TWO DISPATCHERS ARE ON DUTY ONE WILL PROCEED IMMEDIATELY TO STEP 2 WHILE THE OTHER WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH. WHEN ONLY ONE DISPATCHER IS ON DUTY HE/SHE WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH AFTER COMPLETING TO STEP 2. THE SHERIFF WILL BE NOTIFIED.

2. The ALERTING TONE will be sounded and the following message will be broadcast on Channels 2, 3, L4, S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL ROCKINGHAM CARS & STATIONS -
SIGNAL 1000 - REPEATING - SIGNAL 1000.
EMERGENCY TRAFFIC ONLY WILL BE ACCEPTED
UNTIL FURTHER NOTICE."

3. The ALERTING and PAGER TONES will be sounded and the following message will be broadcast on Channels 2, 3, L4 and S4, and Seacoast Fire Mutual Aid.

Note Time

"ATTENTION ALL UNITS AND STATIONS IN THE
SEABROOK EMERGENCY PLANNING ZONE - STANDBY
FOR AN EMERGENCY MESSAGE."

Repeat tones and continue with the following:

"ATTENTION ALL UNITS AND STATIONS IN THE SEABROOK
EMERGENCY PLANNING ZONE - SEABROOK STATION HAS
DECLARED AN ALERT. STANDBY TO ACKNOWLEDGE THIS
MESSAGE, THEN PROCEED ACCORDING TO INDIVIDUAL
COMMUNITY PROCEDURES."

"THIS IS NOT A TEST - I REPEAT - THIS IS NOT A
TEST."

"ALL UNITS - ACKNOWLEDGE WITH YOUR CALL NUMBER"

"ROCKINGHAM TO:"

<u>Community</u>	<u>Agency Alerted</u>	<u>Note Time</u>
SEABROOK	Police Dispatch	_____
HAMPTON FALLS	Police Officer on Duty	_____
HAMPTON	Police Dispatch	_____
SOUTH HAMPTON	Selectmen & Fire Dispatch	_____
KENSINGTON	Fire Dispatch	_____
NORTH HAMPTON	Fire Dispatch	_____
NEWTON	Police Officer on Duty	_____
EAST KINGSTON	Police Officer on Duty	_____
EXETER	Exeter Public Safety Dispatch	_____
STRATHAM	Newmarket Dispatch	_____
GREENLAND	Police Officer on Duty	_____
RYE	Fire Dispatch	_____
PORTSMOUTH	Fire Dispatch	_____
NEWFIELDS	Police Officer on Duty	_____
BRENTWOOD	Police Officer on Duty	_____
KINGSTON	Police Officer on Duty	_____
NEWCASTLE	Police Officer on Duty	_____

IMPORTANT

If acknowledgement is not received from a station or local unit at the first request, the station will be repaged, if acknowledgement is still no received, will attempt to contact them by telephone as soon as possible. The "Fire Phone/Red Network" will be used to notify any town whose police do not respond after a reasonable effort has been made to contact them. If the fire department is contacted, this will constitute town notification.

4. Report to the State Police Communications Center that local notifications have been made and acknowledged. _____
5. Monitor the NHCDA (New Hampshire Civil Defense Agency) radio channel. When NHCDA indicates the State EOC (Emergency Operations Center) is in operation, maintain primary communications with the State EOC rather than with State Police Communications Center. _____
6. When notification is received from NHCDA that the IFO (Incident Field Office) has been activated, maintain subsequent communications with the IFO rather than the EOC. _____
7. Stand by to receive additional information from the IFO. At this point the SIGNAL 1000 status may be terminated if the situation warrants it. _____

When ALERT status has either been terminated or escalated we will be notified by the IFO. In either case, the towns will be advised by General Broadcast over Channels 2, 3, L4 and S4, and Seacoast Fire Mutual Aid and they will acknowledge the message using the checklist. _____

SITE AREA EMERGENCY

Notification of a SITE AREA EMERGENCY would normally be received from the NHODA at the IFO or EOC since this level is usually preceded by an UNUSUAL EVENT or ALERT. During a rapidly developing emergency (where neither the IFO nor EOC are in operation) notification will come from the State Police Communications Center in Concord.

1. Notification will be received from the State Police Communications Center in Concord by radio, NAS (Orange Phone), commercial telephone or NAWAS phone. Any communications link other than the NAS requires verification by call back to State Police Communications Center.
-

NOTE: WHEN TWO DISPATCHERS ARE ON DUTY; ONE WILL PROCEED IMMEDIATELY TO STEP 2 WHILE THE OTHER WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH. WHEN ONLY ONE DISPATCHER IS ON DUTY HE/SHE WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH AFTER COMPLETING STEP 2. THE SHERIFF WILL BE NOTIFIED.

2. The ALERTING TONE will be sounded and the following message will be broadcast on Channels 2, 3, L4, S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL ROCKINGHAM CARS & STATIONS -
SIGNAL 1000 - REPEATING - SIGNAL 1000.
EMERGENCY TRAFFIC ONLY WILL BE ACCEPTED
UNTIL FURTHER NOTICE."

Note Time

3. The ALERTING and PAGER TONES will be sounded and the following message will be broadcast on Channels 2, 3, L4 and S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL UNITS AND STATIONS IN THE SEABROOK EMERGENCY PLANNING ZONE - STANDBY FOR AN EMERGENCY MESSAGE."

Repeat tones and continue with the following:

"ATTENTION ALL UNITS AND STATIONS IN THE SEABROOK EMERGENCY PLANNING ZONE - SEABROOK STATION HAS DECLARED A SITE AREA EMERGENCY. STANDBY TO ACKNOWLEDGE THIS MESSAGE, THEN PROCEED ACCORDING TO INDIVIDUAL COMMUNITY PROCEDURES."

"THIS IS NOT A TEST - I REPEAT - THIS IS NOT A TEST."

"ALL UNITS - ACKNOWLEDGE WITH YOUR CALL NUMBER"

"ROCKINGHAM TO:"

<u>Community</u>	<u>Agency Alerted</u>	<u>Note Time</u>
SEABROOK	Police Dispatch	_____
HAMPTON FALLS	Police Officer on Duty	_____
HAMPTON	Police Dispatch	_____
SOUTH HAMPTON	Selectmen & Fire Dispatch	_____
KENSINGTON	Fire Dispatch	_____
NORTH HAMPTON	Fire Dispatch	_____
NEWTON	Police Officer on Duty	_____

		<u>Note Time</u>
EAST KINGSTON	Police Officer on Duty	_____
EXETER	Exeter Public Safety Dispatch	_____
STRATHAM	Newmarket Dispatch	_____
GREENLAND	Police Officer on Duty	_____
RYE	Fire Dispatch	_____
PORTSMOUTH	Fire Dispatch	_____
NEWFIELDS	Police Officer on Duty	_____
BRENTWOOD	Police Officer on Duty	_____
KINGSTON	Police Officer on Duty	_____
NEWCASTLE	Police Officer on Duty	_____

IMPORTANT

If acknowledgement is not received from a station or local unit at the first request, the station will be repaged if acknowledgement is still not received, attempt to contact them by telephone as soon as possible. The "Fire Phone/Red Network" will be used to notify any town whose police do not respond after a reasonable effort has been made to contact them. If the fire department is contacted, this constitutes town notification.

4. Report to the State Police Communications Center that local notifications have been made and acknowledged. _____
5. Receive instructions from State Police, EOC Operations Officer or IFO Controller to activate the audible alert system. As time permits, coordinate activation with local EOCs. (System activation directions to be provided later.) _____
6. Notify NHCOA when the audible alert system activation has been completed. Notify the IFO Controller or, if the IFO has not been opened, the personnel at the State EOC in Concord. _____

Note Time

7. Monitor the NHCDA (New Hampshire Civil Defense Agency) radio channel. When NHCDA indicates the State EOC (Emergency Operations Center) is in operation, maintain primary communications with the State EOC rather than with State Police Communications Center. _____
8. When notification is received from NHCDA that the IFO (Incident Field Office) has been activated, maintain subsequent communications with the IFO rather than the EOC. _____
9. Stand by to receive additional information from the IFO. At this point the SIGNAL 1000 status may be terminated if the situation warrants it. _____

When SITE AREA EMERGENCY status has either been terminated or escalated we will be notified by the IFO. In either case, the towns will be advised by General Broadcast over Channels 2, 3, L4 and S4, and Seacoast Fire Mutual Aid and they will acknowledge the message using the checklist. _____

GENERAL EMERGENCY

Notification of a GENERAL EMERGENCY would normally be received from the NHCDA at the IFO or EOC since this level is usually preceded by an UNUSUAL EVENT, ALERT, or SITE AREA EMERGENCY. During a rapidly developing emergency (where neither the IFO or EOC are not in operation) notification will come from the State Police Communications Center in Concord.

1. Notification will be received from State Police Communications Center in Concord by radio, NAS (Orange Phone), commercial telephone or NAWAS phone. Any communications link other than the NAS requires verification by call back to State Police Communications Center.
-

NOTE: WHEN TWO DISPATCHERS ARE ON DUTY; ONE WILL PROCEED IMMEDIATELY TO STEP 2 WHILE THE OTHER WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH. WHEN ONLY ONE DISPATCHER IS ON DUTY, HE/SHE WILL CALL FOR ADDITIONAL ASSISTANCE TO DISPATCH AFTER COMPLETING STEP 2. THE SHERIFF WILL BE NOTIFIED.

2. The ALERTING TONE will be sounded and the following message will be broadcast on Channels 2, 3, L4, S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL ROCKINGHAM CARS & STATIONS -
SIGNAL 1000 - REPEATING - SIGNAL 1000.
EMERGENCY TRAFFIC ONLY WILL BE ACCEPTED
UNTIL FURTHER NOTICE."

4. The ALERTING and PAGER TONES will be sounded and the following message will be broadcast on Channels 2, 3, L4 and S4 and Seacoast Fire Mutual Aid.

"ATTENTION ALL UNITS AND STATIONS IN THE
SEABROOK EMERGENCY PLANNING ZONE - STANDBY
FOR AN EMERGENCY MESSAGE."

Note Time

Repeat tones and continue with the following:

"ATTENTION ALL UNITS AND STATIONS IN THE SEABROOK
EMERGENCY PLANNING ZONE - SEABROOK STATION HAS
DECLARED A GENERAL EMERGENCY. STANDBY TO ACKNOW-
LEDGE THIS MESSAGE, THEN PROCEED ACCORDING TO
INDIVIDUAL COMMUNITY PROCEDURES."

"THIS IS NOT A TEST - I REPEAT - THIS IS NOT A
TEST."

"ALL UNITS - ACKNOWLEDGE WITH YOUR CALL NUMBER"

"ROCKINGHAM TO:"

<u>Community</u>	<u>Agency Alerted</u>	<u>Note Time</u>
SEABROOK	Police Dispatch	_____
HAMPTON FALLS	Police Officer on Duty	_____
HAMPTON	Police Dispatch	_____
SOUTH HAMPTON	Selectmen & Fire Dispatch	_____
KENSINGTON	Fire Dispatch	_____
NORTH HAMPTON	Fire Dispatch	_____
NEWTON	Police Officer on Duty	_____
EAST KINGSTON	Police Officer on Duty	_____
EXETER	Exeter Public Safety Dispatch	_____
STRATHAM	Newmarket Dispatch	_____
GREENLAND	Police Officer on Duty	_____
RYE	Fire Dispatch	_____
PORTSMOUTH	Fire Dispatch	_____
NEWFIELDS	Police Officer on Duty	_____
BRENTWOOD	Police Officer on Duty	_____
KINGSTON	Police Officer on Duty	_____
NEWCASTLE	Police Officer on Duty	_____

IMPORTANT

If acknowledgement is not received from a station or local unit at the first request, the station will be repaged, if acknowledgement is still not recieved attempt to contact them by telephone as soon as possible.

The "Fire Phone/Red Network" will be used to notify any town whose police do not respond after a reasonable effort has been made to contact them. If the fire department is contacted, this will constitute town notification.

4. Report to the State Police Communications Center that local notifications have been made and acknowledged. _____
5. Receive instructions from State Police, EOC Operations Officer or IFO Controller to activate the audible alert system. As time permits, coordinate activation with local EOCs. (System activation directions to be provided later.) _____
6. Notify NHODA when the audible alert system activation has been completed. Notify the IFO Controller or, if the IFO has not been opened, the personnel at the State EOC in Concord. _____
7. Monitor the NHODA (New Hampshire Civil Defense Agency) radio channel. When NHODA indicates the STATE EOC (Emergency Operations Center) is in operation, maintain primary communications with the STATE EOC rather than with State Police Communications Center. _____
8. When notification is received from NHODA that the IFO (Incident Field Office) has been activated, maintain subsequent communications with the IFO rather than the EOC. _____

Note Time

9. Stand by to receive additional information from the IFO. At this point the SIGNAL 1000 status may be terminated if the situation warrants it.
-

When GENERAL EMERGENCY status has either been terminated or de-escalated we will be notified by the IFO. In either case, the towns will be advised by General Broadcast over Channels 2, 3, L4 and S4, and Seacoast Fire Mutual Aid and they will acknowledge the message using the checklist.

APPENDIX A

General Information for Rockingham County Dispatch

GENERAL DUTIES

In the event of an emergency situation Rockingham County Dispatch provides a vital communications link. Its essential duties involve notifying New Hampshire towns of emergency status at Seabrook Station. In addition, Rockingham County Dispatch serves to relay information from the State to the towns. Likewise Rockingham County Dispatch relays requests for information and support from the towns to the State until the IFO is opened.

Rockingham County Dispatch will also be responsible for activating the nuclear alert sirens in the New Hampshire towns should public notification be required. A three to five minute steady signal activated by tone is required. The public notification system is comprised of the sirens installed by New Hampshire Yankee (NHY). Activation of the public notification sirens will be initiated only upon specific orders from New Hampshire Civil Defense Agency. Normally these orders will be given by the NHCDA official at the IFO. If it is necessary to activate the public notification system before the IFO has been mobilized, these instructions will be issued from the EOC in Concord. In the unlikely event that public notification is required before the EOC is activated, the order will come through the State Police Communications Center Shift Supervisor in Concord.

Initial instructions should be expected to come from the State Police Communications Center. As soon as they are activated the EOC assumes responsibility for coordinating with Rockingham County Dispatch. For New Hampshire this responsibility is assumed by the IFO as soon as it is activated. The IFO is located at the Newington Station, Newington, NH.

EMERGENCY CLASSIFICATION LEVELS (ECL)

An UNUSUAL EVENT indicates a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.

An ALERT indicates events in progress which involve an actual or potential substantial degradation of the level of safety at the Seabrook Plant. Any radioactive releases associated with this ECL are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.

A SITE AREA EMERGENCY indicates an incident which involves actual or likely major failures of plant functions needed for the protection of the public. Radiological releases, if any, are not expected to exceed the EPA Protective Action Guideline exposure levels except near the site boundary. During a SITE AREA EMERGENCY, the State Emergency Response Organization is fully mobilized and protective actions for the public may be implemented.

A GENERAL EMERGENCY indicates an incident which may involve substantial degradation or melting of the reactor's radioactive core with potential for loss of containment integrity. Releases are expected to exceed the EPA Protective Action Guideline exposure levels except near the site boundary. During a GENERAL EMERGENCY, the State Emergency Response Organization is fully mobilized and protective actions for the public may be implemented.

COMMUNICATION TESTS

NHCOA will conduct a communication test to ensure the NHCOA network net is operational. When a communication test is received, the dispatcher will perform the following:

1. Acknowledge receipt of test;
2. Record the test in the log; and
3. Report any discrepancies to the supervisor for corrective actions.

DRILLS AND/OR EXERCISES

When drills and/or exercises are conducted by NHY and/or State of New Hampshire, all messages will be preceded by and ended with the phrase: "THIS IS A DRILL" or "THIS IS AN EXERCISE".

- (1) ENSURE ALL MESSAGES TRANSMITTED VIA RADIO NET OR TELEPHONE ARE PRECEDED BY AND ENDED WITH THE PHRASE: "THIS IS A DRILL" or "THIS IS AN EXERCISE".

When the drill or exercise is terminated by the State, the dispatcher will inform only those towns participating in the termination.

UPDATING AND REVIEW

This procedure will be reviewed by all parties and updated, as required.

This procedure will be effective as of the last date written below.

RED CROSS

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

American National Red Cross
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the American Red Cross in the event of an accident at the power plant. The procedures describe actions to be taken in response to each of four Emergency Classification Levels. Instructions are outlined in order of ascending severity.

Note Time

UNUSUAL EVENT

No action is required by Red Cross at the UNUSUAL EVENT level.

ALERT

1. American National Red Cross will receive notification that an ALERT has been declared at Seabrook Station from representatives of NHCDA. _____
2. Notify appropriate Red Cross personnel to respond to the potential emergency. (See Appendix A for call list.) _____
3. Red Cross representatives, time permitting, review Appendix B general concept of RERP duties. _____
4. Stand by to receive additional information. Receive notification of a) termination of emergency status or b) escalation of emergency status to a higher level. If terminated, confirm receipt of message. If escalated, continue checklist. _____

SITE AREA EMERGENCY

1. Receive notification from NHODA that a SITE AREA EMERGENCY has been declared. Ensure that prerequisite ALERT procedures have been implemented. _____
2. Open ARC Disaster Headquarters outside EPZ radius. _____
3. Send a Red Cross representative to the State EOC (EOC Rep.) at 107 Pleasant Street in Concord. This representative will then serve as liaison between ARC and Senior State officials. EOC Rep. should check in with the NHODA Agency Liaison Officer and await instructions and briefings. _____
4. The EOC Rep. should contact ARC Disaster Headquarters and inform them of the status of the emergency. _____
5. EOC Rep. stand by to receive additional information and continue communications. Receive notification of a) termination of emergency status, or b) escalation of emergency status. If terminated, Red Cross staff are notified and released. If escalated, proceed with checklist. _____

GENERAL EMERGENCY

1. EOC Rep. receive notification from NHODA that a GENERAL EMERGENCY has been declared. (In the case of a rapidly developing emergency for which notification begins at the GENERAL EMERGENCY level, review the SITE AREA EMERGENCY checklist items before proceeding.) Ensure that EOC is staffed by EOC Rep., with any necessary support, and the ARC Disaster Headquarters is fully staffed and operational. _____

Note Time

2. Respond to requests for support from local Red Cross Chapters that have been mobilized in the Seacoast Area. _____
3. Stand by to monitor emergency status. Receive notification that a) emergency status has been terminated or b) respond to evacuation needs. If terminated without incident, release Red Cross staff. For required support contact the NHODA Operations Officer at the State EOC. _____

APPENDIX A

State Disaster Team Call List

- | | | |
|----|--|---------------------------------------|
| A) | Susano (Vic) Medina
c/o Concord Chapter
167 North Main Street
Concord, NH
Telephone: 603/225-6698
Home:
203 Loudon Road B-8, A-7
Concord, NH 03301
Telephone: 603/228-0497 | Division Representative |
| B) | Fredrick M. Wood
19 Pearl Street
Concord, NH 03301
Telephone: 603/224-0752 | Volunteer Consultant Disaster Service |
| C) | Carolyn B. Allen
10 Chapel Street
Concord, NH
Telephone: 225/5047 | Casework/Damage Assessment |
| D) | Audrey Jackson-Ross
Executive Director
Portsmouth, NH
Telephone: (B) 624-4307
(H) 624-0664 | Casework/Damage Assessment |
| E) | Pauline Rice
Disaster Chairman
Coos County Chapter
Groveton, NH 03582
Telephone: 636-1642 | Casework/Damage Assessment |
| F) | Janice Riedel
Manchester Chapter
Manchester, NH
Telephone: (B) 624-4307
(H) 624-0664 | Casework/Damage Assessment |
| G) | Norman A. Collishaw
22 East Side Drive
Concord, NH 03301
Telephone: 225-5839 | Communications |
| H) | Ann Murdoch
28 Woodridge Road
Durham, NH 03824
Telephone: 603/868-2267 | Nursing Services |

APPENDIX A (Continued)

I) Roger D. Bilodeau
29 Ferry Street
Concord, NH
Telephone: 485-0890

Mass Feeding

J) Fred N. Creed, Jr.
14 Depot Street
Concord, NH 03301
Telephone: (B) 271-2751
(H) 456-3575

Shelter Management

K) Jane Jarvis
General Delivery
Wolfeboro, NH 03894
Telephone: (H) 569-5276
(B) 569-2129

APPENDIX B

Description of Red Cross RERP Duties

In the event of an accident at the Seabrook Station Nuclear Power Plant, the American Red Cross is a key emergency response agency. It will bear primary responsibility for providing mass care in the event of an evacuation. Specific duties will include providing ARC liaison personnel to the State EOC, and at evacuation reception centers. Red Cross staff at the State EOC, and at reception centers will be responsible for serving as liaison between NHCOA and ARC and for coordinating Red Cross efforts with those of the New Hampshire State agencies. At the mass care shelters Red Cross will provide sufficient staff and resources for registering the arriving evacuees and handling feeding and shelter operations.

TROOP A

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

Troop A New Hampshire State Police

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station. These procedures are to be implemented by the senior trooper at the Troop Headquarters in Epping in the event of an accident. Procedures describe actions to be taken according to each of four Emergency Classification Levels, which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

No action required by Troop A, but the Troop may be notified as a precautionary measure.

ALERT

1. Receive notification from State Police Communication Center in Concord that an ALERT has been declared at Seabrook Station. Dispatcher notify Troop Commander at once. _____
2. Verify ALERT status with State Police Communications Center, Concord by radio or telephone call back (Tel. 1-271-3636 or 1-800-852-3411). _____
3. Review locations and availability of Troop A staff. Monitor status of nuclear incident. _____
4. Troop Commander or his representative report to IFO/EOF at Newington Station, Newington, NH. _____

Note Time

5. Terminate ALERT status or escalate to higher emergency action level.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from State Police Communications Center that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has been declared at Seabrook Station. Dispatcher notify Troop Commander at once.
2. Verify SITE AREA EMERGENCY or GENERAL EMERGENCY status with State Police Communications Center, Concord by radio or telephone call back (Tel. 1-271-3636 or 1-800-852-3411).
3. In a rapidly accelerating emergency which begins at the SITE AREA EMERGENCY or GENERAL EMERGENCY level ensure that ALERT checklist Steps 3 and 4, above, have been completed (i.e. review availability of Troop A staff then report to IFO/EOF at Newington Station).
4. Prepare for recommendation to control access to the plume exposure Emergency Planning Zone. Summon enough personnel to activate access control points. Await recommendations from NHCDA or State Police Communications Center, Concord, to activate access control.
5. Send available troopers to Emergency Planning Zone Access Control Points in order of priority.

A map of the evacuation routes is attached as Appendix A to these procedures.

6. Request required support through State Police Headquarters Communications as needed.

Note Time

7. Schedule relief, support and delivery of food and information to emergency response force. _____
8. Review brief description of responsibilities which is attached as Appendix B, time permitting. _____

APPENDIX A

Access Control Instructions

Troop A is responsible for manning the traffic access control points. At least one trooper and his cruiser is to be assigned to each of these locations, which are shown on the attached map. Upon arriving at the access control point each trooper is to report to the duty supervisor and dispatcher that he has reached his destination and that he is ready for instructions.

The duty supervisor will instruct each trooper to stand by at his location until he is notified by the State Police Communications Center in Concord that access control should be implemented. The duty supervisor will relay instructions to implement access control to each of the troopers in the field. At this time each trooper will set up a check point to prevent unauthorized entry to the EPZ. The trooper is to allow entry of:

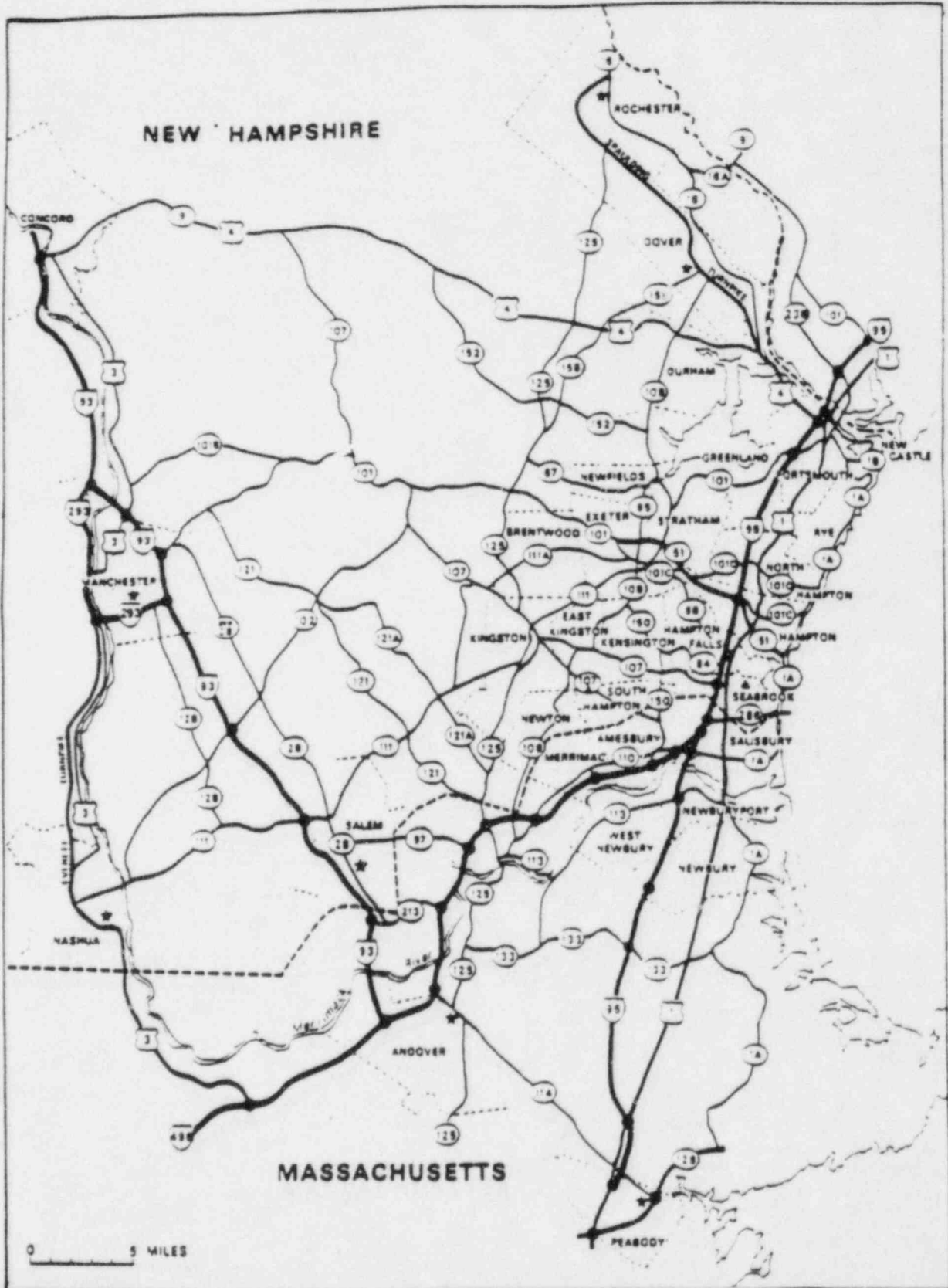
1. Emergency response personnel with reasonable identification. Utility employees, Federal and State agency employees and employees of the towns within the EPZ should be allowed access.
2. Emergency response vehicles with specific missions and destinations (i.e. buses, ambulances, tow trucks).
3. Residents of the EPZ returning to their homes.
4. Members of the press with press credentials.

Entry of transients and commercial traffic is to be denied. When in doubt a decision to allow entry may be checked with the New Hampshire Civil Defense officials in the Incident Field Office at Newington Station.

Time permitting, the trooper should expedite the flow of traffic leaving the EPZ, but not at the expense of access control functions. If asked for information by the public, troopers should refer them to the EBS network for news and instructions.

MAP OF SEABROOK

STATION EVACUATION ROUTES



APPENDIX B

General Description of Troop A Nuclear Emergency Response Duties

During an emergency situation Troop A of the New Hampshire State Police assumes a role as part of the State's emergency response organization. The primary responsibility of the Troop is providing control of access to the plume exposure Emergency Planning Zone (EPZ), an area within approximately ten miles of the Seabrook Station. In addition Troop A may be requested to provide traffic control or law enforcement support to towns within the EPZ on an as-needed basis. The Troop Commander is to respond to these requests for support as he receives them. At the same time he must continue to respond to his normal daily law enforcement duties.

DEPARTMENT OF AGRICULTURE

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Department of Agriculture

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides a checklist of the responsibilities of the Department in the event of an accident at the Seabrook Station Nuclear Power Plant. These duties should be discharged in the event the Department is contacted by NHCDA to respond to an emergency at the plant. Procedures describe actions to be taken according to each of four Emergency Classification Levels, which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT and ALERT

No response by Department of Agriculture is expected.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from State EOC that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has taken place at Seabrook Station Nuclear Power Plant. NHCDA or its representative will contact Dr. Charles Putnam at 271-2404 (business), 352-8550 (home), or Roy Howard, Director - Division of Weights & Measures at 271-2505 (business) or 224-4120 (home).
2. Send a responsible representative to the State EOC at 107 Pleasant Street, Concord. The representative should bring agency records on dairy farms and food preparation centers in the EPZ. This representative should report his availability to the senior official of the Division of Public Health Services (DPHS) and to the NHCDA Agency Liaison Officer. Call Commissioner of Department of Agriculture to inform him of emergency status. (Stephen H. Taylor 271-3551 business, or 469-3375 home)

Note Time

3. Call the Director of the State Extension Service, Maynard C. Heckel (862-1520, office, or 868-2012, home) and ask him to stand by as a reference source. Also call Rockingham County Extension Agent, Edward Upham (679-5616, office, or 772-4226, home) and ask him to stand by as a reference source. _____
4. Stand by for direction from DPHS. Be prepared to advise DPHS on location and number of food production and distribution facilities within 50 miles of the power plant. _____
5. Be prepared to issue orders regulating food handling, preparation and storage (e.g. order dairy cows be put on stored feed). Contact each facility to be regulated. Record nature of the order, date and time, and name of person acknowledging the order. _____
6. Prepare to handle duties on a 24-hour, extended basis. _____
7. Stand by to provide information and to respond to direction by _____ staff. _____

DIVISION OF HUMAN SERVICES

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Division of Human Services

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are to be implemented by the Division of Human Services in the event of an accident at the power plant. The procedures describe actions to be taken in response to each of four Emergency Classification Levels. Instructions are outlined in order of ascending severity.

Note Time

UNUSUAL EVENT

No action is required by the Division at the UNUSUAL EVENT level.

ALERT

1. The Division will receive notification that an ALERT has been declared at Seabrook Station from representatives of NHCDA. This notification will come after the State EOC at 107 Pleasant Street, Concord, has been staffed. NHCDA will notify the Commissioner, Department of Health & Human Services at 271-4334 or 622-6623. If no answer NHCDA will call Director, Division of Human Services 271-4321 or 224-9077. _____
2. Review availability of Division staff to respond to the potential emergency. (See Appendix A for call list.) _____
3. Division representatives, time permitting, review Appendix B, general concept of RERP duties. _____

4. Stand by to receive additional information. Receive notification of a) termination of emergency status or b) escalation of emergency status to a higher level. If terminated, confirm receipt of message. If escalated, continue checklist.
-

SITE AREA EMERGENCY

1. Receive notification from NHCDA that a SITE AREA EMERGENCY has been declared.
 2. Send a Division representative to the State EOC (EOC Rep.) at 107 Pleasant Street, Concord, in Concord. This representative will then coordinate activities with other state officials. EOC Rep. should check in with the senior NHCDA Agency Liaison Officer and await instructions and briefings.
 3. EOC Human Services Rep. contact members of the Division's emergency response organization. Ask them to report to the Division of Human Services office in Portsmouth and stand by for assignment to reception centers.
 4. EOC Human Services Rep. and stand by to receive additional information and continue communications. Receive notification of a) termination of emergency status, or b) escalation of emergency status. If terminated, the Division staff are notified and released. If escalated, proceed with checklist.
-

GENERAL EMERGENCY

1. EOC Human Services Rep. receive notification from NHCDA that a GENERAL EMERGENCY has been declared. (In the case of a rapidly developing emergency for which notification begins at the GENERAL EMERGENCY level, review the SITE AREA EMERGENCY checklist items before proceeding. Ensure that EOC is staffed by EOC Human Services Rep., and that the members of the Division's emergency response organization are notified.) _____
2. Mobilize available Human Services Division personnel. Have them report to the reception centers that NHCDA is activating. See Appendix C for list of reception centers. _____
3. Coordinate with Red Cross to open the reception centers. Contact facility managers listed in Appendix C for access to each reception center. _____
4. Establish operations at each activated reception center. Prepare to provide teams of Human Services Division personnel to handle: _____

Registration of evacuees
Evacuee's Rendezvous with families/friends
Message Center
Clothing distribution
Information/Recreation/Referrals to other
services

Coordinate these efforts with Red Cross staff that are providing mass care shelter and feeding assignments in the same locations. _____

Note Time

5. Stand by to monitor emergency status. Receive notification that a) the emergency status has been terminated or b) Human Services should be ready to respond to evacuation needs. If terminated without incident, release the Division staff. For required support contact the NHCDA Operations Officer at the EOC, in Concord.
-

APPENDIX A

Division of Human Services

Call List

	<u>Office</u>	<u>Home</u>
Mary Mongan	271-4334	622-6623
Richard A. Chevrefils	271-4321	224-9077
Chester Batchelder	271-4325	
William . Colburn	271-4281	783-4740
George Kester	431-6180	431-7660

APPENDIX B

Description of Division of Human Services RERP Duties

In the event of an accident at the Seabrook Station Nuclear Power Plant, the Division is a key emergency response agency. It will bear responsibility for providing support in the event of an evacuation. Specific duties will include staffing the State EOC and the reception centers. Division staff at the EOC will be responsible for receiving direction from NHCDA, and for coordinating efforts with those of the Red Cross and other New Hampshire State agencies. The Division will bear considerable responsibility for operating the reception centers. At the reception centers the Division must provide sufficient staff and resources for the following functions:

- 1) Registration. Registration will involve filling out and filing registration forms for all personnel receiving emergency support services through the Reception Centers. Registration may be undertaken using pre-printed forms provided by the State of New Hampshire. The completed forms will be useful for tracking the locations of evacuees and for providing written records of support requested and received at each Reception Center. This function may be handled directly by Human Services Department staff or delegated to other emergency response workers made available during an emergency.
- 2) Coordination of Remote Rendezvous. The Reception Centers will be the designated locations for evacuated persons to meet other people. Such remote rendezvous may include parents meeting children that have been evacuated directly from school; working spouses who work outside the EPZ meeting non-working spouses that have been evacuated; and friends, neighbors and relatives meeting each other to confirm that evacuations have been successfully completed. This function, which overlaps with registration, includes designating and providing waiting areas for groups, families and individuals, as well as providing a filing system to

accommodate locating and reuniting displaced persons. Remote rendezvous coordination may be undertaken by the Human Services Department staff directly or by other emergency response workers available at the Reception Centers.

- 3) Message Center. A message center will be established at each Reception Center. The message center will provide facilities for leaving brief written messages for evacuees. The messages may be requests for telephone calls, forwarding addresses or other brief pertinent messages to be left for registered evacuees. (The message center will not provide for live communication between evacuees and remotely located persons.) The message center may be operated either by the Human Services Department personnel or volunteers and other emergency response workers available at the Reception Centers.
- 4) Distribution of Emergency Clothing and Materials. It is possible that some people may be exposed to a radioactive Plume before or during evacuation. These people may require a change of clothes, toilet articles and other materials. The distribution function includes gathering and distributing the available resources, not providing them. For instance Salvation Army may provide emergency clothing to be distributed at each Reception Center. The distribution function may be handled directly by the DHS staff or delegated to available emergency response volunteers.
- 5) Information and Recreation. Evacuees of the Seabrook Station EPZ will have been displaced from homes and jobs. It will be necessary to provide information and recreation for persons temporarily located at the Reception Centers. Information can be provided by supplying public access to televisions and radios at the Reception Center. Availability of television and radio may be supplemented by direct release of information by public officials at the Reception Center. Recreation demands might be met by providing not only television and radio, but by providing any available

entertainment (e.g., movies from a local library, services for children, reading materials, or playing cards as available). The information and recreation function may be implemented directly or delegated by the DHS.

- 6) Medical Services References. Many evacuees leaving the Seabrook Station Plume Exposure EPZ will lose access to medical facilities and personnel they normally use. Others may require prescription medications or supplies that have been left behind or which have run out since departure from residences in the EPZ. The Reception Center must provide a reference service to see that evacuees are introduced to alternate sources of medical service. The reference service may be handled by DHS staff directly and supplemented by New Hampshire Division of Public Health Services staff in coordination with the host community.
- 7) Congregate Care Reference. It is likely that most of any population evacuated from the Seabrook Station EPZ will be self-sufficient. They will temporarily relocate to the homes of friends or relatives that live outside the EPZ. A fraction of the evacuating population, however, may seek temporary public feeding and shelter at Congregate Care Centers. The Reception Center will direct these people to available Mass Care Centers. Congregate Care will not be provided at the Reception Center itself. The DHS will provide for the reference service and the American Red Cross will provide the mass care shelters. The ARC will have a representative at the Reception Center to act as liaison between the Reception Center and mass care shelters.
- 8) Monitoring and Decontamination. At each Reception Center the New Hampshire Emergency Response Organization will provide radiation monitoring and decontamination services. The monitoring will be provided to ensure that contaminated personnel and goods are identified and properly handled. Contaminated personnel and goods will be identified and segregated prior to entry to the Reception

Center proper. Decontamination will include showers, change of clothes and, if necessary, special decontamination procedures for personnel. Decontamination for goods, equipment and vehicles will include washing, cleaning and quarantine. DPHS will bag and tag all personal property found to be contaminated. These contaminated articles will be maintained in a locked room for decontamination following the emergency. DPHS will supervise this activity.

The monitoring and decontamination activities will be undertaken by the New Hampshire Civil Defense staff in the host community. As necessary the Civil Defense staff will be supplemented by volunteers.

- 9) Traffic and Crowd Control. It is possible that a large number of cars and people will seek access to each Reception Center. As a result law enforcement officers will be needed to supervise arriving and departing traffic and parking. Likewise, Police officers will be needed to expedite the pedestrian traffic to appropriate service areas in the Reception Center. Should the Reception Center become crowded it will also be desirable to have Police officers on hand to maintain order. The traffic and crowd control function will be handled by the local Police departments.
- 10) Reception Center Manager. It is necessary to have a manager for each Reception Center. The manager will see that the Reception Center is put on standby and opened, as necessary. The manager will see that adequate facilities and equipment are present. The manager will also see that each of the preceding nine functions is being properly provided. The manager will be the person responsible for communicating with other elements of the New Hampshire Emergency Response Organization. These communications will include status reports to the State Emergency Operations Center and requests for any support needed to keep the Reception Center operating smoothly. The Reception Center Manager position will be filled by a full time Human Services employee familiar with emergency management. The alternate Reception Center Manager may be designated by the Civil Defense Director for the host community.

Several State agencies are available to support the Division's efforts.
The following agencies will have representatives at the IFO/EOF:

1. Division of Public Health, Emergency Medical Services can provide:

- Ambulance service support
- Medical facility references

2. New Hampshire National Guard can provide:

- Traffic control
- General manpower
- Transportation resources
- Security

3. State Highway Department can provide:

- Transportation resources
- Traffic control resources
- Communications resources

Other general support services can be requested through the NHCOA staff at the EOC as required.

APPENDIX C

Reception Center Locations

<u>Reception Center</u>	<u>Facility Manager</u>	<u>Work Phone</u>	<u>Home Phone</u>
Manchester	Ray Downton, Memorial High School Principal	624-6378	
Dover	Dover High School Principal	742-6400	
Nashua	Ronald Nestor, Civil Defense Director	880-3343	883-2430
Rochester	Spaulding High School Principal		
Salem	Salem High School Principal		
Durham	Patrick Miller, Executive Director for the Division of Facility Services	862-1861	

APPENDIX D

Reception Center Registration Form

NAME: _____ ARRIVED AT: _____ (Time)
(Please Print) _____ (Place)
ADDRESS: _____ DEPARTED AT: _____ (Time)
Street and Number

City/Town and State

Destination: _____ Message Left: Yes ___ No ___

Number of Persons in your party: _____ Means of Transportation: _____

Names of Persons in your party:

Name: _____	Relationship: _____
Name: _____	Relationship: _____
Name: _____	Relationship: _____
Name: _____	Relationship: _____
Name: _____	Relationship: _____

For additional persons, please use the back of this form.

Services Needed: _____

Referred to: _____ Logged in by: _____
Div. of Human Services

NATIONAL GUARD

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire National Guard

EMERGENCY RESPONSE PROCEDURES

for the

Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are implemented by the Adjutant General in the event of an accident. These procedures describe action to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

An UNUSUAL EVENT requires no response from New Hampshire National Guard.

ALERT

1. In the event of an ALERT at Seabrook Station NHGDA will notify the staff of New Hampshire National Guard of the emergency status. The Adjutant General will be the primary contact; Chief of Staff will be the alternate. (See call list in Appendix A for roster.) _____
2. Time permitting, Appendix B, describing Radiological Emergency Response duties, should be reviewed. _____
3. Establish NHARNG EOC. _____
4. POMS Officer (or alternate) report to State EOC at the NHGDA offices, 107 Pleasant Street, Concord. _____

Note Time

5. The contact person at National Guard should stand by to receive additional information. Receive notification of a) termination of emergency status, or b) escalation of emergency status from NHCOA. If escalated, proceed with checklist.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. In the event of a SITE AREA EMERGENCY or GENERAL EMERGENCY New Hampshire National Guard will be notified by NHCOA. The Adjutant General will be the primary contact; Chief of Staff will be the alternate.
2. Upon receiving notification the National Guard Officer will initiate the emergency response call list. (See Appendix A).
3. PQMS Officer (or an alternate) should be sent to the State EOC to act as EOC Liaison Officer. This officer should report his availability to the NHCOA Agency Liaison Officer upon arrival.
4. An Operations Officer should be sent to the State's IFO/EOF at Newington Station, Newington, NH, to act as IFO/EOF Liaison Officer. This officer should report his availability to NHCOA upon arrival.
5. Other key members of the National Guard emergency response organization (Appendix A) should be asked to report to the senior officer at the NHARNG EOC for assignments as necessary.
6. Liaison Officers stand by to receive and respond to requests for aid and directions from NHCOA at the EOC and the IFO/EOF.

APPENDIX A

New Hampshire National Guard Emergency Response Organization Call List

	<u>Office</u>	<u>Home</u>
1. MG L. Price	271-2331	224-4159
2. Col. Geary	271-2331	224-4677
3. LTC Kehr	228-1135 x232	746-5619
4. LTC Agrafiotis	228-1135 x240	485-5017
5. National Guard EOC	271-2544	

APPENDIX B

General Description of National Guard Duties

Source: NHRERP

The National Guard has major support responsibilities in three areas. First, the National Guard is available to provide State Police with assistance at the EPZ access control points as requested by NHCDA. This will be necessary if the emergency is protracted and State Police need to be relieved. Additionally, a situation may develop at an access control point that would require reinforcement of State Police personnel.

Second, the National Guard is responsible for making its equipment available to the emergency response organization during an emergency response. This includes providing support for:

- o Communications,
- o Decontamination,
- o Emergency medical transportation,
- o Mass transportation/evacuation,
- o Road clearance, and
- o Air transportation.

Third, if the emergency continues for a prolonged period of time, the National Guard is responsible for mobilizing its reserves as may be needed to relieve emergency response personnel of other agencies.

The NH National Guard activities are directed by the Adjutant General or by the Adjutant General's designee. Requests for support will be through the NHCDA Operations Officer from the State EOC.

APPENDIX C

Emergency Classification System

Purpose

The purpose of this section is to describe the Emergency Classification System which is used in this RERP to initiate emergency response.

Rationale for Classifications

Emergencies are described by four Emergency Classification Levels in order of increasing severity - UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, and GENERAL EMERGENCY. The rationale for the four Emergency Classification Levels is to provide by declaration of UNUSUAL EVENT or ALERT Emergency Classification Levels early and prompt notification of minor incidents at the power plant which could lead to more serious consequences in the event of subsequent operator error or equipment failure. Alternately, the incident may be indicative of more serious conditions which are not yet fully realized.

Emergency Classification Levels

1. UNUSUAL EVENT

An UNUSUAL EVENT is the least severe of the Emergency Classification Levels. Declaration of this classification level indicates that an incident which may lead to a potential degradation of the level of safety at the nuclear power plant has taken place. This classification level indicates that no releases of radioactive material requiring off-site response are expected unless further degradation of plant safety systems occurs.

2. ALERT

Declaration of an ALERT indicates events in progress which involve an actual or potential, substantial degradation of the level of safety at the nuclear power plant. Any radioactive releases associated with this

classification level are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels. No off-site protective actions are required during an ALERT.

3. SITE AREA EMERGENCY

A SITE AREA EMERGENCY indicates an incident which involves actual or likely major failures of plant functions needed for the protection of the public. Radiological releases, if any, are not expected to exceed the EPA Protective Action Guideline exposure levels except near the site boundary. During a SITE AREA EMERGENCY, the State's emergency response organization is fully mobilized and protective actions for the public may be implemented.

4. GENERAL EMERGENCY

A GENERAL EMERGENCY involves substantial degradation or melting of the reactor's radioactive core with potential for loss of containment integrity. Releases are expected to exceed the EPA Protective Action Guideline exposure levels beyond power plant site boundary area. Of the four Emergency Classification Levels, a GENERAL EMERGENCY is most severe, and the likelihood of implementing protective actions is substantially increased.

WATER SUPPLY &
POLLUTION CONTROL COMMISSION

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

New Hampshire Water Supply and Pollution Control Commission

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides a checklist of the responsibilities of the Commission in the event of an accident at the Seabrook Station Nuclear Power Plant. These duties should be discharged in the event the Commission is contacted by NHCDA to respond to an emergency at the plant. These procedures describe action to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT and ALERT

No response by the Commission is expected.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. Receive notification from State EOC that a SITE AREA EMERGENCY or a GENERAL EMERGENCY has taken place at Seabrook Station Nuclear Power Plant. NHCDA or its representative will contact Chief of the Water Supply Division, or, in his absence the Division's Sanitary Engineer. A call list for the Commission is attached as Appendix A.
2. Send a responsible representative to the State EOC at 107 Pleasant Street, Concord. The representative should bring agency records on water supply areas in the EPZ. This representative should report his availability to the senior official of the Division of Public Health Services (DPHS) and to the NHCDA Agency Liaison Officer. Call the Director of the Water Supply and Pollution Control Commission to inform him of emergency status.

Note Time

3. Stand by for direction from DPHS. Be prepared to advise DPHS on location and number of surface water supply facilities within 50 miles of the power plant. _____
4. Be prepared to issue orders regulating use of surface water supplies. Contact each facility to be regulated. Record nature of the order, date and time, and name of person acknowledging the order. _____
5. Prepare to handle duties on a 24-hour, extended basis. _____
6. Stand by to provide information and to respond to direction by DPHS staff. _____

APPENDIX A

New Hampshire Water Supply and Pollution Control Commission
Call List

	<u>Office Phone</u>	<u>Home Phone</u>
Bernard Lucey Chief Water Supply Division	271-3139	225-5450
Charles Nelson Sanitary Engineer	271-2513	224-3192
Harry Stewart Sanitary Engineer	271-2513	434-7186
William Healy	271-3503	224-0667

DIVISION OF BOATING SAFETY

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

Division of Boating Safety
EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant. These procedures are implemented by the Supervisor of Navigation in the event of an accident. These procedures describe actions to be taken in response to each of four Emergency Classification Levels which are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

An UNUSUAL EVENT requires no response from Division of Boating Safety personnel.

ALERT

1. In the event of an ALERT at Seabrook Station, NHCOA will notify the staff of the Division of Boating Safety. The Supervisor of Navigation will be the primary contact; the Assistant Supervisor will be the alternate. (See call list in Appendix A.)

2. The Supervisor of Navigation, or his alternate, should review the availability of personnel and equipment for responding to an emergency. The Assistant Supervisor, or an alternate for him, should be notified. If deemed appropriate, Boating Safety personnel may be brought to standby for assignment to the Coast area.

3. The contact person at Boating Safety should stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of

Note Time

emergency status from NHCDA. If the event is terminated, all personnel should be released from standby status. If emergency escalates, proceed with checklist.

SITE AREA EMERGENCY and GENERAL EMERGENCY

1. In the event of a SITE AREA EMERGENCY or a GENERAL EMERGENCY, the Division of Boating Safety will be notified by NHCDA. The Supervisor of Navigation will be the primary contact; the Assistant Supervisor of Navigation will be the alternate.
 2. Upon receiving notification, the Supervisor of Navigation should notify the Assistant Supervisor, or an alternate, of the emergency status. The Assistant Supervisor, or his alternate, should be dispatched to the IFO/EOF, at Newington Station, Newington, NH., to supervise the activities of Boating Safety field personnel and to coordinate with other emergency response agencies at the IFO/EOF. This Boating Safety representative should check in with senior NHCDA representative at the IFO/EOF upon arrival.
 3. The Supervisor of Navigation, or his alternate, should contact Boating Safety personnel in Laconia. Two or more boats should be directed to proceed to Ben's Marina at Great Bay to stand by for radio instructions from the IFO/EOF. Each boat operator should be instructed to take fully fueled boats and Seabrook Station response kits which include coastal charts and dosimeters for boat crews.
-

4. The Supervisor of Navigation, or his alternate, should proceed to the State EOC at 107 Pleasant Street in Concord. This representative will coordinate the activities of Boating Safety personnel with other State agencies at the EOC and with the U.S. Coast Guard personnel at the IFO/EOF. The Supervisor of Navigation should make his presence known to the NHCOA Agency Liaison Officer upon arriving at the EOC. _____
5. Supervisor of Navigation should track the deployment of Boating Safety personnel. Report arrival at destinations and availability for assignments of Boating Safety personnel to the NHCOA Emergency Operations Officer at the EOC. _____
6. Boating Safety personnel stand by to receive information and respond to requests for aid and directions from NHCOA. Be prepared to notify and evacuate boaters in coastal harbor areas as necessary. Stand by until emergency is terminated. _____

APPENDIX A

Division of Boating Safety Emergency Response Call List

	<u>Office</u>	<u>Home</u>
1. Ray Weatherbee Supervisor of Navigation	271-3336 or S.P. radio pager	746-4386
2. Tom McCabe	271-3336 or S.P. radio pager	
3. Boating Safety, Laconia	293-7783 293-2474	

U.S. COAST GUARD

EMERGENCY RESPONSE PROCEDURES

FOR

SEABROOK STATION

United States Coast Guard

EMERGENCY RESPONSE PROCEDURES
for the
Seabrook Station Nuclear Power Plant

This brief document provides checklist procedures to be followed in the event of an emergency condition at the Seabrook Station Nuclear Power Plant in Seabrook, New Hampshire. These procedures are implemented by USCG personnel in the event of an accident. The procedures describe actions to be taken in response to each of four Emergency Classification Levels. Instructions are outlined in ascending order of severity.

Note Time

UNUSUAL EVENT

1. The New Hampshire Civil Defense Agency (NHODA) will notify USCG that an UNUSUAL EVENT has been declared. NHODA will notify the Captain of the Port during normal business hours, or, during off-hours, the Petty Officer on duty. NHODA will use the telephone as the primary means of contact with the Marine Safety Office, Boston (617) 223-1470 or Coast Guard District Operation Center at (617) 223-3644. The NAWAS land lines to District Operations Center provide a back-up system for contacting U.S. Coast Guard.

To the extent possible, NHODA will describe the events that led to the declaration of an UNUSUAL EVENT.

2. If notification arrives during off hours, Petty Officer on duty notify Duty Officer; Duty Officer notify Captain of the Port.
-

Note Time

3. The Captain of the Port may verify the Initial Notification of UNUSUAL EVENT by calling the NHCDA Duty Officer at (603) 271-2231. _____
4. USCG stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of emergency status to a higher Emergency Classification Level . If terminated, confirm message and notify USCG personnel who were informed of UNUSUAL EVENT status. If escalated, continue checklist. _____

ALERT

1. NHCDA will notify USCG that an ALERT has been declared. NHCDA will notify the Captain of the Port during normal business hours, or, during off-hours, the Petty Officer on duty. NHCDA will telephone the Marine Safety Office, Boston at (617) 223-1470 as the primary means of contact. The Coast Guard District Operations Center telephone at (617) 223-3644, and the NAWAS land lines provide back-up methods for contacting USCG.

NHCDA will describe the events leading to the declaration of the ALERT. _____

2. If notification occurs during off-hours, Petty Officer on duty notify Duty Officer, Duty Officer notify Captain of the Port and Port Operations Officer. _____
3. If notification occurs during off-hours Duty Officer report to USCG offices. _____
4. Port Operations Officer (or Duty Officer during off-hours) review status of resources available for emergency response near Seabrook Station. Review availability of vessels and crews at:

Note Time

- a. Merrimac Station (617) 223-5647
or 465-0731
- b. Gloucester Station (617) 223-5646
or 283-0704
- c. Portsmouth Station (603) 834-0704
or 436-4414

If resources are insufficient for emergency response activity, request stations to call in personnel for assignment. If USCG stations cannot respond to the Emergency, Port Operations Officer notifies NHODA at (603) 271-2231.

- 5. Port Operations Officer arranges stand by transportation to the IFO/EOF at Newington Station, Newington, NH.
- 6. USCG stand by to receive additional information. Receive notification of (a) termination of emergency status, or (b) escalation of emergency to higher Emergency Classification Levels. If escalated continue checklist.

SITE AREA EMERGENCY and GENERAL EMERGENCY

- 1. NHODA will notify USCG that a SITE AREA EMERGENCY or GENERAL EMERGENCY has been declared. NHODA will notify the Captain of the Port during normal business hours, or during off-hours the Petty Officer on duty. NHODA will telephone the Marine Safety Office, Boston at (617) 223-1470 as the primary means of contact. The Coast

Note Time

Guard Operations Center District telephone at (617) 223-3644, and the NAWAS land lines provide back-up methods for contacting USCG.

To the extent possible, NHODA will describe the nature of the events leading to the declaration of a SITE AREA EMERGENCY or GENERAL EMERGENCY.

2. If notification occurs during off-hours, Petty Officer on duty notify Duty Officer, Duty Officer notify Captain of the Port and Port Operations Officer.
3. The Duty Officer assumes responsibilities for the Captain of the Port until he or his alternate arrives during off-hours and ensures that checklist is continued.
4. Port Operations Officer (or Duty Officer during off-hours) review status of resources available for emergency response near Seabrook Station. Review availability of vessels and crews at:
 - a. Merrimac Station (617) 223-5647
or 465-0731
 - b. Gloucester Station (617) 223-5646
or 283-0704
 - c. Portsmouth Station (603) 834-0704
or 436-4414

If resources are insufficient for emergency response activity, request stations to call in personnel for assignment. If stations cannot respond to the emergency, Port Operations Officer notifies NHODA at (603) 271-2231.

Note Time

5. Port Operations Officer report to the IFO/EOF at Newington Station, Newington NH. Upon arrival make presence know to senior NHCOA official at IFO/EOF. Report arrival to Captain of the Port. _____
6. Captain of the Port will take action to issue broadcast notice to mariners and set the Safety Zone. _____
7. Captain of the Port activate available crews from Merrimac Station, Gloucester Station and Portsmouth Station. Have vessels proceed to vicinity of Seabrook power plant to enforce the Safety Zone in approximately 2 mile radius at Site Area Emergency and 10 mile for General Emergency. Check to ensure that vessels dispatched to water near Seabrook Station have emergency response kits, including dosimeters. _____
8. Port Operations Officer contact Captain of Port to provide briefing on the status of the emergency. Captain of Port brief Port Operations Officer on status of deployment of vessels. _____
9. Port Operations Officer coordinate USCG activities with NHCOA Staff at the IFO/EOF. As deemed appropriate in discussions with NHCOA, initiate and update: _____
 - (a) Broadcast Notice to Mariners _____
 - (b) Control of access to waters within 10 miles of Seabrook Station _____

Note Time

(c) Notification of all boats within 10 miles of the
power plant

10. Port Operations Officer at IFO/EOF will stand by to coordinate Coast Guard activities, receive additional information or requests for support. Arrange for supporting longer term emergency staffing and equipment, if necessary. Arrange for relief of USCG vessel crews and staff.
11. Upon termination of emergency status notify and release all USCG personnel.