

POWER AUTHORITY OF THE STATE OF NEW YORK  
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

P. O. BOX 215 BUCHANAN, N. Y. 10511

TELEPHONE 914-739-8200

December 16, 1982  
IP-LML-4728



Mr. I. Cohen  
Region I, U.S.N.R.C.  
631 Park Avenue  
King of Prussia, PA 19406

Dear Mr. Cohen:

As a follow-up to our recent exit interview I am summarizing the remaining open items to the IP-3 Emergency Preparedness Appraisal. As we discussed some of these are appropriate to close by mail. The attached pages are recent revisions of our procedures, towards addressing the comments of the Appraisal.

- • It is believed the intent of items A-2 and B-27 are adequately addressed in the attached pages.
- A verbal discussion of item A-5 was held with Mr. H.W. Crocker on December 13, 1982. It was decided we would revise all the PEP's to address the deficiencies noted in A-5 by December 20, 1982.
- Correspondence to closeout item A-10 will be forward by Public Relations in the near future.

Of the remaining open items, completion dates have been established as follows:

- A-3 January 1984 for complete installation. Material has been purchased and the engineering package is in the final review process.
- B-8 Completion is scheduled for 3 months after our mid-cycle inspection. With this in mind the completion of B-8 is expected by May 1984.

If there are any questions or concerns please do not hesitate to call, Linda M. Lomonaco, (914) 739-8200 Ext. 246.

Sincerely,

Linda M. Lomonaco  
Asst. to the Rad. & Env.  
Services Supt.

LML/dp/lml-06  
Attachments

8304010345 830324  
PDR ADOCK 05000286  
G PDR

Plan

TABLE 4-1

XIX.

RECOVERY PHASE

Criteria for entering the long term Recovery Phase are as follows:

1. Radioactive releases to the environment caused by accident conditions have been terminated.
2. Plant is in Cold Shutdown.
3. Plant is in a Stable Condition.

Prior to entering the recovery mode onsite and offsite officials shall be notified and conferred with and appropriate lines of communication established for recovery operations.

EMERGENCY DIRECTOR (EOF)

CHECKLIST

1. Assign Personnel for Emergency Organization.

ED \_\_\_\_\_

POM \_\_\_\_\_

OSC \_\_\_\_\_

TSC \_\_\_\_\_

RATL \_\_\_\_\_

Communicators in EOF \_\_\_\_\_

2. Assure EOF Habitability.
3. Contact CR for Plant Status Information.
4. Take over ED Responsibility from Shift Supervisor.
5. Accountability/Evacuation?
6. Review & Approve Search & Rescue operations (IP-1054).
7. Notify: INPO \_\_\_\_\_  
ANI \_\_\_\_\_  
Brookhaven National Lab \_\_\_\_\_  
Adjacent Businesses \_\_\_\_\_
8. Review & Recommend Corrective Actions.
9. Exceeding NRC Radiation Exposure limits (IP-1027).
10. Planned discharge of Containment atmosphere (IP-1005).
11. Periodic briefings to EOF staff & upper gallery.
12. Periodically review the Habitability of the EOF: if a move to the AEOF is required notify the POM and turn over ED responsibility to him and assure he delegates communicator and RATL positions to members of his staff.
13. Periodic updates to offsite authorities using EP Form #8 Radiological Emergency Data Form Parts I, II, III.
14. Review EAL's for change in Emergency Classification.
15. Escalate or de-escalate Emergency Classification.
16. Consider entering the Recovery Phase: refer to the last page of the EAL Table for guidance.
17. Insure that OSC, TSC, CR, LAO, and security are aware of any changes in Emergency Status.
18. Close out to authorities.

3.07  
B-7

EMERGENCY NOTIFICATION, COMMUNICATION AND STAFFING1.0 INTENT

To describe the process for the notification and associated communications required when any of the four Emergency classes is declared, as well as the methods which will mobilize the IP-3 Emergency Response Organization.

2.0 DISCUSSION

After the declaration of an Emergency (Notification of Unusual Event, Alert, Site Area or General), the Shift Supervisor (Emergency Director) will initiate and insure this procedure is implemented until he is relieved from the responsibility of Emergency Director.

Persons who must (may) be notified of an Emergency Condition include:

PASNY

\*Resident Manager  
\*Superintendent of Power  
\*Information Officer  
\*N.Y.O. Duty Officer  
Emergency Response Personnel

NRC

\*Resident Inspector  
\*Headquarters

OFFSITE\*\*

\*Con Edison  
\*Westchester County  
\*City of Peekskill  
\*Rockland County  
\*Orange County  
\*Putnam County  
\*N.Y. State Dept. of Health  
U.S. Coast Guard  
Con Rail Corporation  
\*\*\*ANI

\* Persons or agencies who must always be notified (NUE, Alert, Site Area, General)

Those not \* are notified under the appropriate circumstances as per procedure.

\*\*Offsite Agencies should be notified within 15 minutes of the declaration of an emergency classification. PASNY and NRC notifications should be made simultaneously or directly following offsite notifications.

\*\*\*ANI must be notified at the Alert classification and above.

PASNY maintains staffing consistent with the NRC requirements for onshift; minimum (30-60 minutes); and additional support staffing during emergency conditions. Personnel required on shift are supplied by members of the Watch Organization with additional personnel available through the Con Edison Sr. Watch Supervisor. Emergency Personnel off-hours minimum staffing (30 to 60 minutes) shall be accomplished as follows:

Alert

Personnel as  
Emergency Director  
determines necessary

Site Area

Personnel on  
Roster III

General

Personnel on  
Roster III

Immediate and minimum staffing should be directed by the Shift Supervisor. Off-hours call in of Emergency Personnel will be done by Security.

### 3.0 PROCEDURE - NORMAL WORK HOURS

#### 3.1 Notification of Unusual Event/Non-Radiological Alert (Use EP-Form #10)

##### 3.1.1 Shift Supervisor

- a) Designates a communicator
- b) Determines which support centers should be activated

##### 3.1.2 Communicator

- a) Fill out Part I of the Radiological Emergency Data Form, (EP-Form #8).
- b) Call the Resident Manager's Secretary and request her to notify the Resident Manager, Superintendent of Power, Information Officer and the NYO Duty Officer using Part I of the Radiological Emergency Data Form (EP-Form #8) and Roster #1 (EP-Form #9).
- c) Call the Con Edison Unit 2 Control Room and alert them of IP-3 conditions.
- d) Notify offsite agencies within 15 minutes of a declaration of an emergency using the Hot Line Telephone and Part I of the Radiological Emergency Data Form (EP-Form #8).
- e) Notify NRC Headquarters using the direct line telephone.
- f) Notify the USNRC Resident Inspector.
- g) Notify ANI at the Alert classification and above.
- h) Using the Radiological Emergency Data Form, keep offsite authorities (b,c,d,e,f & g) informed of significant changes (approximately every 30 minutes) - until the EOF has taken responsibility for offsite communications.
- i) Notify authorities (b,c,d,e,f & g) of a reduction or escalation in the Emergency Classification or Recovery Intention.
- j) Closeout to authorities (b,c,d,e,f & g).

##### 3.1.3 Personnel or Support Center Activation

###### 3.1.3.1 If Technical Assistance alone is required, use PA to announce:

- a) "All Technical Support Center personnel report to to the Technical Support Center"
- b) "Shift Technical Advisor Report to the Control Room"

or

3.1.3.2 If Operational and Technical Assistance is required,  
use the PA to announce:

- a) "All Technical Support Center personnel report to the Technical Support Center"
- b) "Shift Technical Advisor report to the Control Room"
- c) "Operations Support Center Personnel Report to the Operations Support Center"

or

3.1.3.3 If all Support Centers are to be activated,  
use the PA to announce:

- a) "Emergency Directors and Radiological Assessment Team report to the Emergency Operation Facility"
- b) "All Technical Support Center personnel report to the Technical Support Center"
- c) "Shift Technical Advisor report to the Control Room"
- d) "Operations Support Center Personnel Report to the Operations Support Center"
- e) "All other personnel carry on with your normal duties"

### 3.0 PROCEDURE - NORMAL WORK HOURS (CONT'D)

#### 3.2 Radiological Alert/Site Area/General (use EP-Form #11)

##### 3.2.1 Shift Supervisor

- a) Designates a communicator
- b) Initiates sounding site evacuation alarm and activation of support centers.
- c) Initiates calculations for dose projection

##### 3.2.2 Communicator

- a) Fill out the Radiological Emergency Data Form, EP-Form #8
- b) Call IP-3 Security:
  - i. Alert them of emergency status
  - ii. Direct them to restrict access to the site
- c) Call the Resident Manager's Secretary and request her to notify the Resident Manager, Superintendent of Power, Information Officer and NYO Duty Officer using the Radiological Emergency Data Form (EP-Form #8) and Roster I (EP-Form #9).
- d) Call Con Edison Unit 2 Control Room:
  - i. Alert them to IP-3 conditions
  - ii. Request offsite monitoring teams to report to the Emergency Operation Facility.
- e) Notify offsite agencies within 15 minutes of declaration of the emergency using the Hot Line Telephone and the Radiological Emergency Data Form, (EP-Form #8).
- f) Notify NRC Headquarters using direct line telephone.
- g) Notify the USNRC Resident Inspector.
- h) Notify ANI
- i) Notify the U.S. Coast Guard if emergency is Radiological in nature and will impact Hudson River traffic.
- j) Notify Con Rail if emergency is Radiological in nature and will impact railroad traffic.
- k) Using the Radiological Emergency Data Form, keep authorities (c,d,e,f,g,h,i & j) informed of significant changes (approximately every 30 minutes) - until the EOF is staffed and has taken over responsibility for offsite communications.



l) Keep authorities (c,d,e,f,g,h,i & j) informed of a reduction or escalation in the Emergency Classification or Recovery Intention.

m) Closeout to authorities (c,d,e,f,g,h,i & j).

3.2.3 Evacuation Alarm and Support Center Activation

3.2.3.1 Sounding Site Evacuation Alarm results in:

- . Emergency Director & Assessment Team reporting to the Emergency Operation Facility
- . Technical Support Center personnel reporting to the Technical Support Center
- . Operations Support Center personnel reporting to the Operations Support Center.
- . Shift Technical Advisor reporting to the Control Room
- . Watch H.P. and Chemist reporting to the Control Room unless otherwise notified

3.2.3.2 Announce over PA:

- a) "A \_\_\_\_\_ emergency has been declared. All non-watch personnel report to your Assembly Area". (repeat)

3.2.4 Dose Projection Calculations:

- a) Refer to IP-1002



#### 4.0 PROCEDURE - NON NORMAL WORK HOURS

##### 4.1 Notification of Unusual Event/Non-Radiological Alert (EP-Form #10)

###### 4.1.1 Shift Supervisor

- a) Designates a communicator
- b) Determines which support centers should be activated, and initiates the call-in of Emergency Response Personnel as necessary.

###### 4.1.2 Communicator

- a) Fill out the Radiological Emergency Data Form, EP-Form #8.
- b) Call security and request them to notify the Resident Manager, Superintendent of Power, Information Officer and the NYO Duty Officer using Part I of the Radiological Emergency Data Form (EP-Form #8) and Roster I (EP-Form #9)
- c) Call Con Edison Unit 2 Control Room:
  - i. Alert them to IP-3 conditions
  - ii. Request 1 RO immediately and if needed HP, Chem, I&C or Maintenance Techs. to report to the IP-3 Control Room.
- d) Notify offsite agencies within 15 minutes of declaration of the emergency using the Hot Line Telephone and Part I of the Radiological Emergency Data Form (EP-Form #8).
- e) Notify NRC Headquarters using the direct line telephone
- f) Notify the USNRC Resident Inspector
- g) Notify ANI at the Alert Classification and above.
- h) Using the Radiological Emergency Data Form, keep authorities (b,c,d,e,&f) informed of significant changes (approximately every 30 minutes) - until the EOF is staffed and has taken over responsibility for offsite communications.
- i) Notify authorities (b,c,d,e,f & g) of a reduction or escalation in the Emergency Classification or Recovery Intention.
- j) Closeout to authorities (b,c,d,e,f & g).

###### 4.1.3 Support Center Activation & Staffing (initiated by the Shift Supervisor)

###### 4.1.3.1 Use the PA:

- a) "Shift Technical Advisor report to the Control Room"

###### 4.1.3.2 If Technical Assistance alone is requested:

- a) Instruct Security (Command Post) to call-in Technical Support Center Personnel; Appendix A, Roster II.

or

4.1.3.3 If Operational and Technical Assistance is required:

- a) Determine which support areas are needed.
- b) Instruct Security (Command Post) to call-in as needed from the Off Hours Personnel Call-in List, Appendix A, Roster III sections A & B.
  - i. HP
  - ii. Chem
  - iii. Technical Support
  - iv. Operations
  - v. Maintenance
  - vi. I&C

or

4.1.3.4 If All Support Centers are to be activated:

- a) Instruct Security to call-in all personnel on the off-hours Personnel Call-in List, Appendix A, Roster III sections A & B.

4.0 PROCEDURE - NON NORMAL WORK HOURS (CONT'D)4.2 Radiological Alert/Site Area/General (use EP-Form #11)4.2.1 Shift Supervisor

- a) Designates a communicator
- b) Initiates sounding site evacuation alarm and activation of support centers.
- c) Initiates calculations for dose projection

4.2.2 Communicator

- a) Fill out the Radiological Emergency Data Form, EP-Form #8.
- b) Call IP-3 Security:
  - i. Alert them of emergency status
  - ii. Direct them to restrict access to the site
  - iii. Call Security (Command Post) and request them to notify the Resident Manager, Superintendent of Power, Information Officer and the NYO Duty Officer using Part I of the Radiological Emergency Data Form (EP-Form #8) and Roster I (EP-Form #9)
- c) Call Con Edison Unit 2 Control Room:
  - i. Alert them to IP-3 conditions
  - ii. Request offsite monitoring teams to report to the Emergency Operation Facility.
  - iii. Request 1 RO immediately and if needed H.P., Chem, I&C or Maintenance Techs. to report to the IP-3 Control Room.
- d) Notify offsite agencies within 15 minutes of declaration of the emergency using the Hot Line Telephone and Part I of the Radiological Emergency Data Form (EP-Form #8).
- e) Notify NRC Headquarters using the direct line telephone
- f) Notify the USNRC Resident Inspector
- g) Notify ANI
- h) Notify the U.S. Coast Guard if emergency is Radiological in nature and will impact Hudson River traffic.
- i) Notify Con Rail if emergency is Radiological in nature and will impact railroad traffic.
- j) Using the Radiological Emergency Data Form, keep authorities (b,c,d,e,f,g,h & i) informed of significant changes (approximately every 30 minutes) - until the EOF is staffed and has taken over responsibility for offsite communications.
- k) Notify authorities (b,c,d,e,f,g,h & i) of a reduction or escalation in the Emergency Classification or Recovery Intention.
- l) Closeout to authorities (b,c,d,e,f,g,h & i).

#### 4.2.3 Evacuation Alarm and Support Center Activation:

##### 4.2.3.1 Sounding Site Evacuation Alarm results in:

- . Shift Technical Advisor reporting to the Control Room
- . Watch H.P. and Chemist reporting to the Control Room unless notified to the contrary

##### 4.2.3.2 Announce over PA:

- a) "A \_\_\_\_\_ emergency has been declared, all non watch personnel report to your Assembly Area". (repeat)

##### 4.2.3.3 Support Center Activation:

- a) Instruct Security to call-in personnel from the Off-hours Personnel Call-in List, Appendix A, Roster III sections A & B.
- b) If the Emergency Director determines additional staffing is required, a listing of PASNY personnel by department can be found in Appendix A, Roster IV.
- c) If the Emergency Director determines additional staffing other than PASNY personnel is necessary, he may request Con Edison personnel by calling the Unit 2 Watch Supervisor.

#### 4.2.4 Dose Projection Calculations

- a) Refer to IP-1002

#### NOTE:

There are 4 call-in rosters:

Roster I, PASNY Notification Telephone Numbers is a listing of those people to be called (notified) in the event of any Emergency Plan Emergency. This should be used in conjunction with the Radiological Emergency Data Form.

Roster II is the Technical Support Center staff and call-in listing.

Roster III, sections A & B is the minimum staff personnel required within 30-60 minutes of the declaration of Emergency. This Roster contains Department Heads, HP, Chem., Rad. Assessment, Technical Support Center, Emergency Operations Facility, Operations, Maintenance and I&C personnel.

Roster IV is a listing of PASNY personnel by department available for Call-in.

Roster III should be initiated if a Unit 2 emergency is declared and the Con Edison Watch Supervisor requests additional non-watch personnel from the PASNY Shift Supervisor. (This does not include those PASNY watch personnel who will be sent to Unit 2 immediately upon request; 1 RO, 1 Maintenance person, 1 I&C Tech, 1 HP or Chem. Tech.).

5.0 PROCEDURE - EOF COMMUNICATIONS (Use EP-Form #12)5.1 EOF Communicator

- 5.1.1 Use "County Hot Line" (RECS) and Radiological Emergency Data Form (EP-Form #8) to notify offsite agencies.
- 5.1.2 Use direct line telephone to notify NRC Headquarters.
- 5.1.3 Notify the NRC Resident Inspector.
- 5.1.4 Notify ANI of significant change in plant status, recommendations to the public or change in emergency class.
- 5.1.5 Notify OSC, TSC, CR, LAO, Security re: plant status and emergency class reduction or escalation.
- 5.1.6 Notify INPO, Brookhaven and adjacent businesses.
- 5.1.7 Establish communications with the Recovery Center at Corporate Headquarters and keep them advised of plant status.
- 5.1.8 Use Radiological Emergency Data Form to update authorities (5.1.1, 5.1.2, 5.1.3, 5.1.4) of significant changes (approximately every 30 minutes).
- 5.1.9 Notify authorities (5.1.1, 5.1.2, 5.1.3, 5.1.4) of reduction or escalation in the Emergency Classification or of Recovery Intention prior to declaring or entering the Recovery phase offsite officials should be notified and conferred with to assure all parties agree on the appropriateness of entering the long term recovery phase.
- 5.1.10 Closeout of authorities (5.1.1, 5.1.2, 5.1.3, 5.1.4).

5.2 Radiological Assessment Team Communicator

- 5.2.1 Establish communications with Onsite and Offsite Monitoring Teams.
- Dispatch teams to appropriate locations or Determine locations of teams if dispatched by CR.
  - Plot Plume
  - Advise teams of plant status: location, direction, and speed of plume; projected rad. levels,.
  - Instruct as to type & location of sampling, surveying to be done.
  - Record survey data from teams.
  - Repeat all incoming messages.

- g) Provide RAT with survey data.
- h) Remind teams to check dosimeters.
- i) Insure teams are not left in high rad. fields.

5.2.2 Establish communication with OSC, H.P., Chemistry to do dose accountability.

5.2.3 Interrogate Ludlum Monitors.

#### 6.0 TRANSFER OF COMMUNICATION RESPONSIBILITIES IF ALTERNATE EOF IS ACTIVATED

- 6.1 If the decision is made to relocate to the Alternate Emergency Operation Facility (AEOF), the Emergency Director will notify the Control Room and request that the Plant Operations Manager assume Emergency Director control and communication activities. The Plant Operation Manager, after assuming the role of the ED, should then assure the following positions are assigned: Communicator and Radiological Assessment Team Leader. The flowchart for EOF communications (IP-1030) should be used by the POM (ED) and his staff during this transition period. When the EOF has been established and can resume these responsibilities, the Emergency Director at the AEOF will notify the Control Room (POM) and will again assume ED control and communication activities.



## RADIOLOGICAL EMERGENCY DATA FORM

PART I - GENERAL INFORMATIONCR Roll Call:WestchesterPeekskillRocklandOrangePutnamNY State

1. Date and Time of Message Transmittal:

                      
Date                      
Time (24 hr clock)

2. Nuclear Facility providing the initial report:

A Indian Pt. No. 2

E Fitzpatrick Plant

B Indian Pt. No. 3

F Shoreham Station

C Ginna Station

G Other                     

D Nine Mile Pt. Unit 1

Coast GuardCon RailANI

3. Reported by: A
- 
- , B
- 
- .
- 
- Name Title

4. This A is B is NOT, an exercise.

5. Emergency Classification:

A Unusual Event

C Site Area Emergency

B Alert

D General Emergency

6. This classification occurred at
- 
- ,
- 
- .
- 
- Date Time (24 hr clock)

7. Brief Event Description/Initiating Condition:
- 
- 
- 
- 
- 

8. There:

A. has NOT been a release of radioactivity

B. has been a release of radioactivity to the ATMOSPHERE

C. has been a release of radioactivity to a BODY OF WATER                     

D. has been a GROUND SPILL release of radioactivity

9. The release: A is continuing C is intermittent.
- 
- B has terminated D not applicable

10. Protective Actions:

A There is NO need for protective actions outside the site boundary.

B Protective Actions are under consideration.

C Recommended Protective Actions:

Shelter within                      miles/or                      sectors/or ERPA's.Evacuate within                      miles/or                      sectors/or ERPA's.

11. Weather:

A Wind Speed                      miles per hour or                      meters per secondB Direction (from)                      degrees.C Stability Class (A-G)                     D General Weather Conditions (if available)



## RADIOLOGICAL EMERGENCY DATA FORM

PART II - RADIOLOGICAL ASSESSMENT DATA

Date \_\_\_\_\_ Time \_\_\_\_\_

12. Prognosis for Worsening or Termination of the Emergency: \_\_\_\_\_

13. In Plant Emergency Response Actions Underway: \_\_\_\_\_

14. Utility Off-Site Emergency Response Action Underway: \_\_\_\_\_

15. Release Information

## A ATMOSPHERIC RELEASE

ActualProjected

Date and Time Release Started

Duration of Release

Noble Gas Release Rate

Radioiodine Release Rate

Elevated or Ground Release

Implant Monitors

\_\_\_\_\_ hrs

\_\_\_\_\_ Ci/sec

\_\_\_\_\_ Ci/sec

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ hrs

\_\_\_\_\_ Ci/sec

\_\_\_\_\_ Ci/sec

\_\_\_\_\_

\_\_\_\_\_

## B WATERBORNE RELEASE

Date and Time Release Started

Duration of Release

Volume of Release

Radioactivity Concentration (gross)

Total Radioactivity Released

Radionuclides in Release

\_\_\_\_\_ hrs

\_\_\_\_\_ gal

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ Ci

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ hrs

\_\_\_\_\_ gal

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ Ci

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ uCi/ml

\_\_\_\_\_ uCi/ml

Basis for release data e.g. effluent monitors, grab sample, composite sample and sample location: \_\_\_\_\_

16. Dose and Measurements and Projections

## A SITE BOUNDARY

ActualProjected

Whole Body Dose Rate

Whole Body Commitment (for duration above)

Thyroid Dose (1 hr. exposure)

Thyroid Dose (Total Commitment)

\_\_\_\_\_ mR/hr

\_\_\_\_\_

\_\_\_\_\_ mRem

\_\_\_\_\_

\_\_\_\_\_ mR/hr

\_\_\_\_\_ Rem

\_\_\_\_\_ mRem

\_\_\_\_\_ Rem

## B PROJECTED OFFSITE

2 Miles5 Miles10 Miles

Whole Body Dose Rate (mR/hr)

Whole Body Dose (Rem)

Thyroid Dose Commitment

(1 hr Exposure) (mRem)

Thyroid Dose

(Total Commitment) (Rem)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

17. Protective Action Recommendations and the basis for that recommendation:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## RADIOLOGICAL EMERGENCY DATA FORM

PART III - IP-3 PLANT PARAMETER DATA

Date \_\_\_\_\_

Time \_\_\_\_\_

MAJOR PARAMETERS

18. RCS pressure \_\_\_\_\_
19. RCS temperature \_\_\_\_\_
20. Reactor Shutdown (Y/N) \_\_\_\_\_
21. Natural/Forced circulation \_\_\_\_\_
22. Pressurizer level \_\_\_\_\_
23. S/G levels #31 \_\_\_\_\_% #33 \_\_\_\_\_%  
#32 \_\_\_\_\_% #34 \_\_\_\_\_%
24. Off-site/On-site power available \_\_\_\_\_
25. Containment Pressure \_\_\_\_\_
26. Containment Temperature \_\_\_\_\_
27. RCS Subcooled/Saturated \_\_\_\_\_  
psig Subcooled \_\_\_\_\_
28. VC Sump Level \_\_\_\_\_
29. RWST Level \_\_\_\_\_
30. CST Level \_\_\_\_\_

MODES OF SAFETY INJECTION (circle modes in use)

31. Passive Injection - Accumulators
32. High Head Injection
33. Low Head Injection

MODES OF RECIRCULATION  
(circle modes in use)

34. Low Head Recirculation - Recirc Pumps  
- RHR Pumps
35. High Head Recirculation -  
- Recirc Pumps to S.I. Pumps  
- RHR Pumps to S.I. Pumps
36. Hot Leg Recirculation - Recirc Pumps  
- RHR Pumps

STATUS OF ENGINEERED SAFEGUARDS EQUIP.  
(circle those in use)

37. Containment Spray - VC Spray Pumps  
Recirculation Mode
38. Containment Fan Cooler units -  
31, 32, 33, 34, 35
39. Auxiliary Feed Pumps - 31, 32, 33
40. VC Phase A Isolation Complete  
Yes / No
41. VC Phase B Isolation Complete  
Yes / No
42. VC Ventilation Isolation Complete  
Yes / No
43. CR Ventilation Isolation Complete  
Yes / No
44. Emergency Diesel Generators -  
(31, 32, 33)  
Running/Loaded/Secured/OOS

RADIOLOGICAL MONITORS

Plant Vent:

45. R-13 (particulate) \_\_\_\_\_
46. R-14 (gaseous) \_\_\_\_\_
47. RM-16 (High Range gas) \_\_\_\_\_

Area Monitors:

48. R-2 Containment \_\_\_\_\_
49. R-7 Containment \_\_\_\_\_
50. R-10 Accident Monitor  
(Steamline penetration) \_\_\_\_\_
51. Containment High Range Monitor  
\_\_\_\_\_

Additional Monitors of Importance:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ROSTER IPASNY NOTIFICATION TELEPHONE NUMBERS

(For use by Resident Manager's Secretary and Security)

The personnel below shall be called and given the details of the Emergency as listed on the Radiological Emergency Data Form. Notification to these people is mandatory and contact should be made under all circumstances.

		<u>Work Ext.</u>	<u>Home Phone #</u>	<u>Beeper #</u>	<u>Contacted or Returned Call</u>
A.	Resident Manager, J. Brons	201	(914)762-7362	694-0366	_____
B.	Supt. of Power, W. Josiger	202	(914)271-5397	694-0373	_____
C.	Information Officer, Jack Brumfield	368	(914)831-2881	694-0376	_____
	Alternate, C. Spieler	81-6224	(914)739-0357		
			(914)739-2171 (unlisted)		
D.	N.Y.O. Duty Officer**			(212)396-7005	_____

\* During normal work hours, if the Resident Manager's Secretary uses any beeper number, she should call Security, Ext. 261 to tell them a beeper was used and she should leave the message for their call-in to Security.

\*\* During normal work hours it is appropriate to call the Senior Vice President Nuclear Generation and notify him of the emergency occurrence.

NOTE: When contacted by beeper, these persons will call back Security and the appropriate information should be relayed to them.

NOTE: THE SS/ED SHOULD BE NOTIFIED OF THE STATUS OF MESSAGE TRANSMITTED TO THE ABOVE PEOPLE.

OFFSITE NOTIFICATION & COMMUNICATION PROCEDURE TELEPHONE NUMBERS

	<u>Work Ext.</u>	<u>Home Phone</u>
USNRC Inspector, T. Kenny	318	(914)226-5611
(Unit 2 Alternate to T. Kenny) P. Koltay	739-9360	(914)245-1007
U.S. Coast Guard Port Safety Officer		(212)668-7936
Consolidated Rail Corp.:		
(Conrail Chief Train Dispatcher) East Side of River		(212)340-2050 340-2052
West Side of River		(201)558-2385
American Nuclear Insurers		(203)677-7305

IF THE HOT LINE, RADIO AND NAWAS ARE NOT WORKING call,

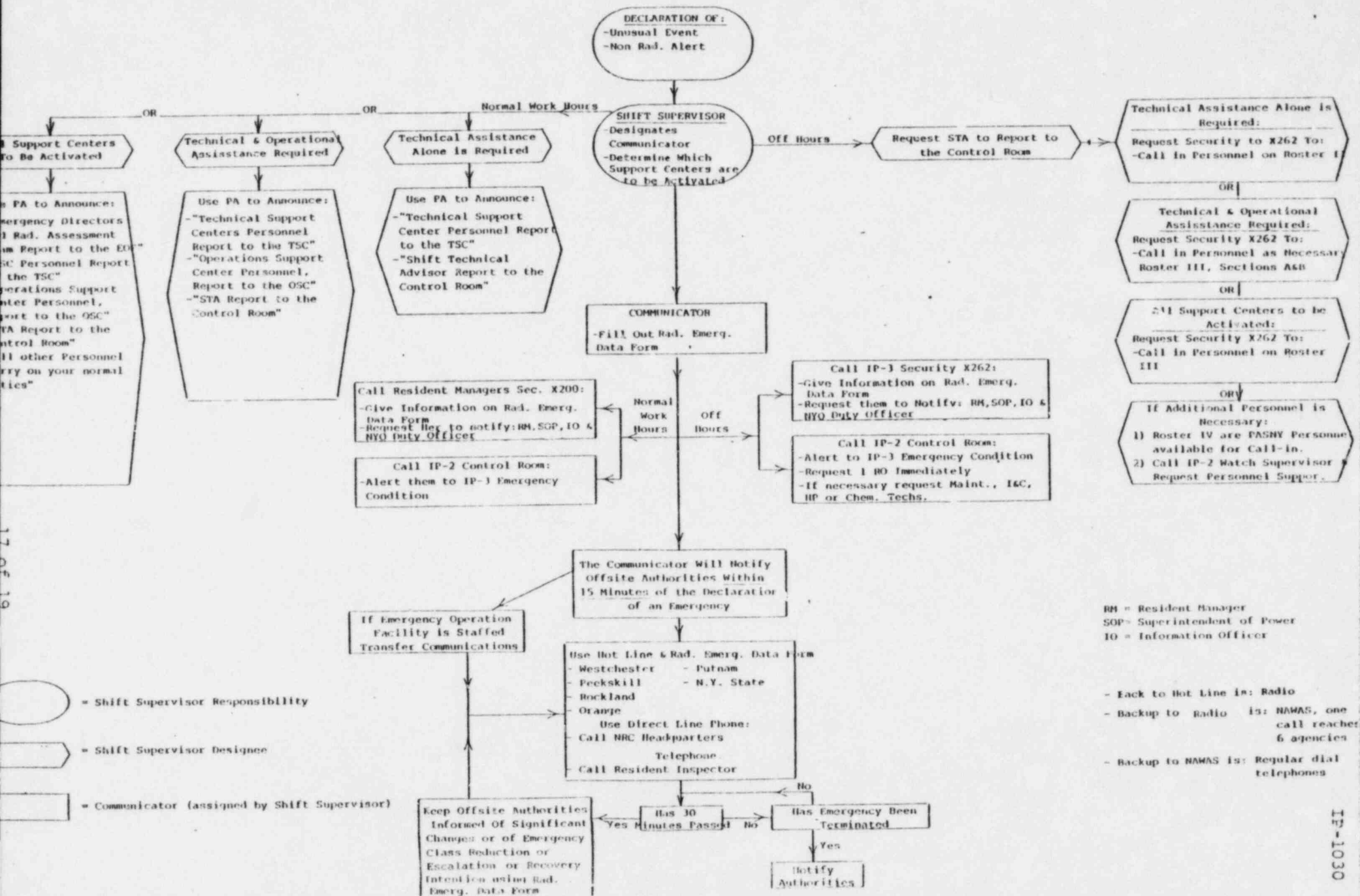
Westchester County Warning Point	(914)769-3100 (Ask for Watch Officers Desk)
Putnam County Warning Point	(914)225-4300
Rockland County Warning Point	(914)354-8300
Orange County Warning Point	(914)294-6860
City of Peekskill Police Commissioner	(914)737-8000 X224
N.Y. State Warning Point	(518)457-2200 457-6811

If all communication lines are down, radio the State Police by means of the Security Plectron device. Request the State Police to contact the State Police in Albany and make contact with Westchester, Rockland, Orange & Putnam Counties & the City of Peekskill.

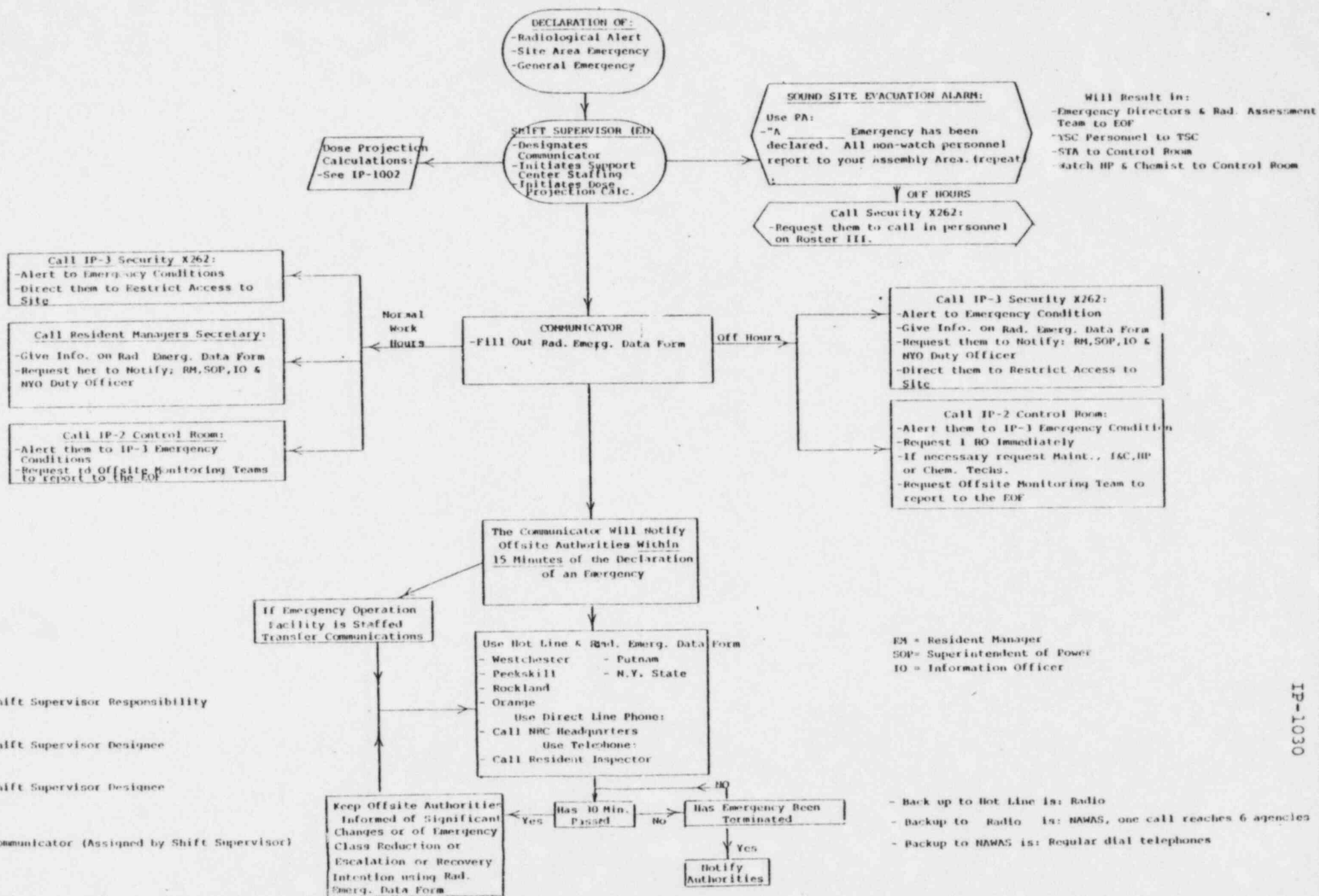
IF THE NRC DIRECT LINE IS NOT OPERATIONAL, call

- |   |                |
|---|----------------|
| 1. NRC Operations Center (via Bethesda Central Office)      | (202) 951-0550 |
| 2. NRC Operations Center (via Silver Spring Central Office) | (301) 427-4056 |
| 3. Health Physics Network Line (to NRC Operations Center)   | 22             |
| 4. NRC Operator (via Bethesda Central Office)               | (301) 492-7000 |

NOTIFICATION-COMMUNICATION-STAFFING  
**NON-RADIOLOGICAL EMERGENCY**  
 CONTROL ROOM PROCEDURAL FLOW CHART



NOTIFICATION-COMMUNICATION-STAFFING  
**RADIOLOGICAL EMERGENCY**  
 Control Room Procedural Flow Chart





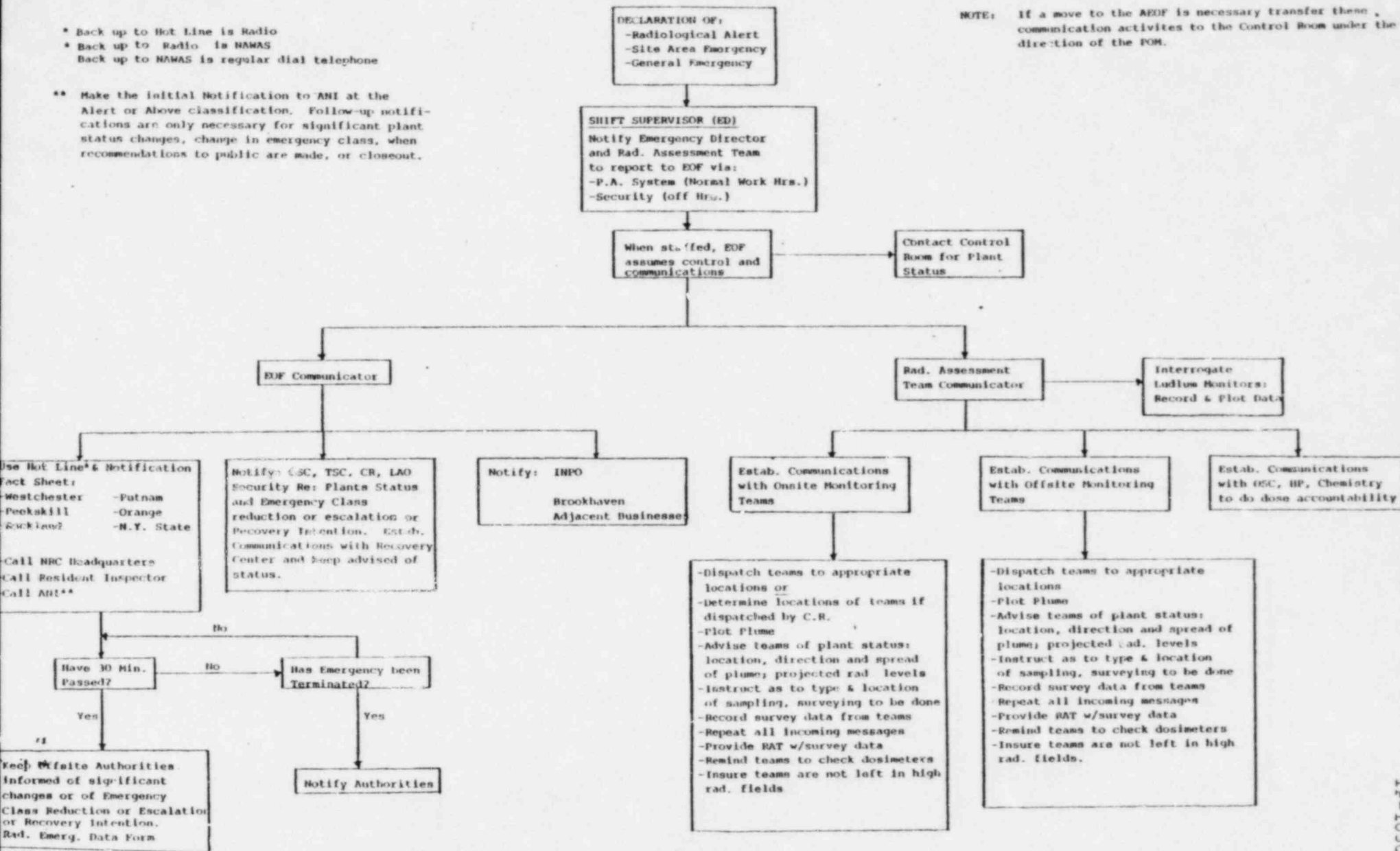
## NOTIFICATION-COMMUNICATION-STAFFING

RADIOLOGICAL EMERGENCY  
EOF PROCEDURAL FLOW CHART

- \* Back up to Hot Line is Radio
- \* Back up to Radio is NAWAS
- Back up to NAWAS is regular dial telephone

- \*\* Make the initial Notification to ANI at the Alert or Above classification. Follow-up notifications are only necessary for significant plant status changes, change in emergency class, when recommendations to public are made, or closeout.

NOTE: If a move to the AEOF is necessary transfer these communication activities to the Control Room under the direction of the POM.





HABITABILITY OF THE EMERGENCY FACILITIES1.0 INTENT

To describe the necessary checks to determine if the radiological conditions of the Emergency Operations Facility (EOF), the Technical Support Center (TSC) and Operations Support Center (OSC) are such that a move to their alternates is required.

2.0 PROCEDURE FOR THE EOF:

2.1 The Emergency Director, or the Radiological Assistant Team Leader upon arrival at the EOF, will immediately call the Unit No. 3 Control Room to confer with the Shift Supervisor on whether or not the EOF has been involved in the plume since the start of the emergency, and if so, for how long.

2.2 Interrogate the Meteorological system at the EOF to determine if the meteorological conditions have prevailed for the past hour.

2.3 Follow guidance in section 3.0.

2.4 The EOF will be considered tenable after careful consideration of the following:

2.4.1 Radiation fields inside and outside the EOF.

2.4.2 Meteorological Conditions at the time

a) Plume direction

b) Atmospheric Stability

c) Weather forecast obtained from the National Weather Service at 914-936-1212.

2.5 If the decision is made to relocate to the Alternate Emergency Operation Facility (AEOF), the Emergency Director will notify the Control Room and request that the Plant Operations Manager assume Emergency Director control and communication activities. The POM after assuming the role of the ED should then assure the following positions are assigned: Communicator and Radiological Assessment Team Leader. The Flowchart for the EOF communications (IP-1030) should be used by the POM (ED) and his staff during this transition period. When the AEOF has been established and can resume those responsibilities, the Emergency Director at the AEOF will notify the Control Room (POM) and will again assume ED control and communication activities.

3.0 PROCEDURE FOR THE EOF, TSC, AND OSC

3.1 The Emergency Locker should be unlocked.

3.2 If the emergency is one where radiological conditions are expected, the radiation monitoring equipment should be put in use immediately.

3.3 An initial survey should be made for beta and gamma fields, and results recorded in the log book.

4.02  
new item  
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- 3.4 If at the EOF perform beta and gamma surveys outside the building. Record readings in the log book.
- 3.5 After the initial survey, an H.P. technician may be contacted (through the OSC) to discuss and/or set up further monitoring equipment.
- 3.6 The results of the radiation surveys are to be analyzed, and an evaluation of potential radiation hazard is to be made by Radiological Assessment personnel, Health Physics personnel or the Facility supervisor.
- 3.7 Check Radiological conditions frequently and record all readings in log book.
- 3.8 Monitoring for personnel should be in accordance with IP-1041.

#### 4.0 HABITABILITY GUIDANCE

Various factors and conditions must be considered when deciding on the Habitability of the Operation Facilities and Centers. Whole body, beta and iodine doses must be measured and evaluated along with the accident conditions and circumstances.

The basic factor to consider is whether or not the accident is under control: is the radiological release terminated? or will stop it shortly? or, is the release expected to continue for hours or days? The duration of expected release, along with advantages and disadvantages of moving, must be considered. The following is offered as general guidance:

##### 4.1 Whole Body and Beta Doses

Fields	Considerations	Maximum acceptable total dose for a 10 hr. release	
		WB	$\beta$ *
10 mR/hr	move if feasible	100 mR	300 mR
100 mR/hr	move if at all possible	1000mR	3000mR
500 mR/hr	move	5000 mR	15000 mR

\*  $\beta$  = 3 x WB rather than 6 x WB  
because the lens of the eye has  
been factored into the calculation.

##### 4.2 Iodine Doses

From the Iodine sample taken the concentration of I-131 can be determined and from this the dose of I-131 is determined.

Dose = Concentration x  $1.5 \times 10^6$  x hr breathed = Rem thyroid

If the dose is 1 R or greater distribution of KI should be considered.  
If the dose is 5 25R KI should be given.

If doses are greater than 25R give KI and re-evaluate the dose to the thyroid on that basis. Then make the determination of whether or not to evacuate the facility or center and relocate.

- 4.3 The Radiological Assessment Team should be consulted for recommendations and dose projections prior to any relocation of the Operation Facilities.