

50-333

**ENTERGY NUCLEAR NORTHEAST  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
P.O. BOX 110  
LYCOMING, NY 13093  
DOCUMENT TRANSMITTAL AND RECEIPT ACKNOWLEDGEMENT FORM**

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**FROM: CATHY IZYK - EMERGENCY PLANNING DEPARTMENT**

**SUBJECT: EMERGENCY PLAN AND IMPLEMENTING PROCEDURES**

Enclosed are revisions to your assigned copy of the JAFNPP Emergency Plan and Implementing Procedures. Please remove and **DISCARD** the old pages. Insert the attached, initial and date this routing sheet and return the completed routing sheet to **Cathy Izyk in the Emergency Planning Department within 15 days**. If this transmittal is not returned within 15 days, your name will be removed from the controlled list.

**VOLUME 1 Update List Dated N/A**

DOCUMENT	PAGES	REV. #	INITIALS/DATE
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**VOLUME 2 Update List N/A**

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**VOLUME 3 Update List Dated March 1, 2002**

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SAP-10	REPLACE ALL	11	
SAP-20	REPLACE ALL	20	

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EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3  
UPDATE LIST

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Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 23	12/98	N/A
EAP-26	PLANT DATA ACQUISITION SYSTEM ACCESS	REV. 11	02/98	Informational
EAP-27	ESTIMATION OF POPULATION DOSE WITHIN 10 MILE EMERGENCY PLANNING ZONE	REV. 9	02/98	Informational
EAP-28	EMERGENCY RESPONSE DATA SYSTEM (ERDS) ACTIVATION	REV. 6	07/00	Reference
EAP-29	EOF VENTILATION ISOLATION DURING AN EMERGENCY	REV. 5	02/98	Informational
EAP-30	EMERGENCY TERMINATION AND TRANSITION TO RECOVERY*	REV. 0	12/98	Informational
EAP-31	RECOVERY MANAGER*	REV. 1	07/01	Informational
EAP-32	RECOVERY SUPPORT GROUP*	REV. 8	02/02	Informational
EAP-33	DEVELOPMENT OF A RECOVERY ACTION PLAN*	REV. 0	12/98	Informational
EAP-34	ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF/EL DURING AN EMERGENCY	REV. 3	02/98	Informational
EAP-35	EOF TLD ISSUANCE DURING AN EMERGENCY	REV. 6	02/98	Informational
EAP-36	ENVIRONMENTAL LABORATORY USE DURING AN EMERGENCY	REV. 4	02/98	Informational
EAP-37	SECURITY OF THE EOF AND EL DURING DRILLS, EXERCISES AND ACTUAL EVENTS	REV. 6	07/01	Informational
EAP-39	DELETED (02/95)			
EAP-40	DELETED (02/98)			
EAP-41	DELETED (12/85)			
EAP-42	OBTAINING METEOROLOGICAL DATA	REV. 16	02/02	Informational
EAP-43	EMERGENCY FACILITIES LONG TERM STAFFING	REV. 55	02/02	Informational
EAP-44	CORE DAMAGE ESTIMATION	REV. 4	02/98	Informational
EAP-45	EMERGENCY RESPONSE DATA SYSTEM (ERDS CONFIGURATION CONTROL PROGRAM)	REV. 6	07/00	Informational
SAP-1	MAINTAINING EMERGENCY PREPAREDNESS	REV. 15	02/00	Informational
SAP-2	EMERGENCY EQUIPMENT INVENTORY	REV. 33	10/01	Reference
SAP-3	EMERGENCY COMMUNICATIONS TESTING	REV. 70	09/01	Reference

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3  
UPDATE LIST

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Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
SAP-4	NYS/OSWEGO COUNTY EMERGENCY PREPAREDNESS PHOTO IDENTIFICATION CARDS	REV. 8	03/00	Informational
SAP-5	DELETED (3/98)			
SAP-6	DRILL/EXERCISE CONDUCT	REV. 16	01/01	Informational
SAP-7	MONTHLY SURVEILLANCE PROCEDURE FOR ON-CALL EMPLOYEES	REV. 35	11/00	Informational
SAP-8	PROMPT NOTIFICATION SYSTEM FAILURE/SIREN SYSTEM FALSE ACTIVATION	REV. 12	10/01	Informational
SAP-9	DELETED (02/94)			
SAP-10	METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE	REV. 11	03/02	Informational
SAP-11	EOF DOCUMENT CONTROL	REV. 10	08/00	Informational
SAP-13	EOF SECURITY AND FIRE ALARM SYSTEMS DURING NORMAL OPERATIONS	REV. 3	03/98	Informational
SAP-14	DELETED (02/95)			
SAP-15	DELETED (11/92)			
SAP-16	UTILIZING EPIC IDT TERMINALS FROM DESTINY SYSTEM	REV. 3	02/98	Informational
SAP-17	EMERGENCY RESPONSE DATA SYSTEM (ERDS) QUARTERLY TESTING	REV. 7	07/00	Continuous
SAP-19	SEVERE WEATHER	REV. 4	01/01	Informational
SAP-20	EMERGENCY PLAN ASSIGNMENTS	REV. 20	03/02	Informational
SAP-21	DELETED (04/01)			
SAP-22	EMERGENCY PLANNING PROGRAM SELF ASSESSMENT	REV. 1	10/98	Informational

ENTERGY NUCLEAR NORTHEAST  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE  
SAP-10  
REVISION 11

REVIEWED BY: PLANT OPERATING REVIEW COMMITTEE

MEETING NO. N/A

DATE: N/A

APPROVED BY:

[Signature]  
RESPONSIBLE PROCEDURE OWNER

DATE:

3/2/2002

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March 1, 2002

FIRST ISSUE ☐

FULL REVISION ☐

LIMITED REVISION ☒

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PERIODIC REVIEW DUE DATE: FEBRUARY 2007

## REVISION SUMMARY SHEET

## REV. NO.

- 11
  - Added step 8.8.9 to complete the logout.
  - On steps 4.15.5 & 6, changed 200 ft. to 90 ft.
  - In steps 4.17.5 - 4.17.7 changed the channels from alpha to numeric (A-D to 1-4).
  - Added step 5.1.22 to clarify the printer functions.
- 10
  - Added 2.2.3 regarding JAF Manual.
  - In section 4.10 - Changed twenty-four hours to twelve quarter hour.
  - Moved paper replacement instructions from section 4.12 to separate section, 5.0, and re-numbered remaining steps.
  - In new section 5.0, re-formatted steps and added steps to take to install/work the take-up roller.
  - The note preceding step 4.13, changed the times for clarification.
  - In section 4.12.1 - added statement depress the MENU/ALT channels switch to obtain self test and status chart printout.
  - In section 4.12 - changed hour to time
  - Removed section 4.16.4 -
  - In section 4.18 - added statement "this will be completed on either the CR or TSC attachment, not both.
  - On Attachment 1 - removed incorrect step references.
- 9
  - Add requirements for checking the MDAS PC output to ERDS.
  - Added: meteorological data acquisition system operability in section 1.0
  - In section 4.6.6, added information regarding JAF networked computers.
  - In section 4.17, added steps to facilitate comparison of the MDAS PC data with the JAF computer output.
  - On attachment 1, page 2 of 2, added MDAS PC checkoffs.
  - Changed RES to Rad Protection, editorial change only.

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## 1.0 PURPOSE

The purpose of this procedure is to provide for a quarterly operation and inspection check on the meteorological recorders located in the Control Room and Technical Support Center with computer output from the Constellation (formally Niagara Mohawk) Meteorological System. In addition, the strip chart paper shall be replaced as needed (at approximately four-week intervals). This procedure also provides for a routine surveillance of the emergency dose assessment operability and Meteorological Data Acquisition System (MDAS) operability.

## 2.0 REFERENCES

### 2.1 Performance References

2.1.1 EAP-42, OBTAINING METEOROLOGICAL DATA

### 2.2 Developmental References

2.2.1 IMP-17.10, METEOROLOGY STRIP CHART RECORDER  
ROUTINE MAINTENANCE AND CALIBRATION

2.2.2 Operations and Maintenance Manual for the NMPC-NYPA Meteorological Data Acquisition System

2.2.3 JAF Manual No. W130-0223, Binder W10, Westronics Series 2100

2.2.4 Regulatory Guide 1.23

## 3.0 INITIATING EVENTS

None

## 4.0 PROCEDURE

4.1 The Radiation Protection (RP) Manager shall assign a RP Technician to perform this surveillance which includes:

4.1.1 Evaluate the quality and validity of the data being gathered.

4.1.2 Assess the status of the site instrumentation and equipment.

4.1.3 Document and distribute all significant information for use in historical analysis.

- 
- 4.1.4 Determine if unscheduled maintenance is required.
  - 4.2 Direct comparisons of each recorder channel and 17 MDAS-PC-3 data are to be performed on a quarterly basis with computer output obtained the same day.
  - 4.3 Data will be collected from recorders in both the Control Room and the Technical Support Center. Assure recorders are operating on Eastern Standard Time.
  - 4.4 In addition, the purpose of this procedure is to assess and document the "usability" of the meteorological data on the recorders as well as the computer. Through this procedure, analysis of the data will yield pertinent information on whether data received is good, bad, suspect, or not available.
  - 4.5 Attachment 1, Meteorological Monitoring System Surveillance, must be completed to document the comparison of data.
  - 4.6 In addition, record any pertinent information concerning the recorder data as well as the computer data on the Attachment 1, Meteorological Monitoring System Surveillance. Record all occurrences at each recorder location which may be of significance to later analysis of the data or in the operational and maintenance history of any equipment used in this analysis. Record items such as the following:
    - 4.6.1 Paper replacement, repairs and/or calibrations of all equipment.
    - 4.6.2 A description of "NO" or "unsat" entries (indicating no data, or abnormal operation) on Attachment 1, Meteorological Monitoring System Surveillance and action taken, if any.
    - 4.6.3 A description of conditions pertinent to suspect or invalid data.
    - 4.6.4 A description of abnormal conditions.
    - 4.6.5 A brief summary of other tasks performed.
    - 4.6.6 Information which may be helpful or necessary in analyzing meteorological conditions and instrument performance (i.e. Met. tower instruments out of service due to high winds, lightning, etc.).



4.7 From a JAF networked computer (PC) print the Meteorological Data Screen from the Plant Parameters selection as follows:

- 4.7.1 Select "start" then "programs" then "plant information" then "plant parameters".
- 4.7.2 From the "screens" menu, select "weather".
- 4.7.3 Click "print" to obtain the printout.
- 4.7.4 This will provide the required MDAS PC data for comparison to the Meteorological Computer printout.

4.8 From the TSC, perform the following:

Obtain a meteorological computer printout from the Nine Mile Point METE system. (The printout gives average hourly values from all towers for the past 24 hours.) To do this, perform the following steps:

**NOTE:** Should the LA-100 stall or otherwise lock up during operation, Ctrl-Y will reset the system.

- 4.8.1 Ensure at least 15 minutes has passed since obtaining the METE printout from step 4.7, above.
- 4.8.2 Place switch on Black Box Modem labeled LA-100 to the NiMo position.
- 4.8.3 Press the "RETURN" key on the LA-100 terminal.
- 4.8.4 Output will be the Nine Mile Point/JAF Meteorological Menu.
- 4.8.5 Utilize the username and password located on the terminal.
- 4.8.6 Enter one (1), for Emergency Dispersion Report.
- 4.8.7 During printout, the "RETURN" key may have to be pressed several times in order to continue the printing process.
- 4.8.8 This will be followed by the Nine Mile Point/JAF Meteorological menu.
- 4.8.9 Enter (0) zero for logout.

- 4.9 Once the meteorological computer printouts have been obtained, become familiar with their contents and format. Note which digits correctly represent the parameter of interest and which numbers represent column dividers on the printout.
- 4.10 The printouts provide twelve quarter "hour" averages; locate where each quarter hour is represented (standard time) in the first column headed by "TIME AVG."
- 4.11 Choose the quarter hour average on the printout that will be utilized for all data comparisons, preferably an average two to three hours earlier than the time of performing this procedure. Make sure there is sufficient valid data across the chosen row.
- 4.12 Enter the date and hour chosen on Attachment 1, noting the computer is on Eastern Standard Time (EST). Use this same quarter hour average for both the TSC and Control Room surveillance.

**NOTE:** Make sure the same quarter hour average contains valid data in the second half of the printout for the "JAF/Backup Tower Parameters" and "Inland Tower Parameters."

- 4.13 The following steps apply to each recorder inspected (D, G, J and K) in the Control Room and the Technical Support Center):

4.13.1 To replace the strip chart paper, refer to section 5.0.

4.13.2 Record whether date and time are being printed properly and the time corresponds to Eastern Standard Time.

**NOTE:** Recorder speed is set at one inch/hour, and time is documented on the strip chart once every two hours.

4.13.3 Inspect the scales utilized on the recorders to see if they are labeled A and B on recorders D, G and J. In the case of Recorder K, there are four scales (A, B, C and D) all of which are not readily visible.

4.13.4 Record any abnormal conditions on Attachment 1 under Remarks/Comments. If corrective action must be taken, record the problem and refer to the Maintenance and Calibration Procedures (IMP 17.10).

4.13.5 Locate the time frame on the strip chart that is being evaluated. This is where you will obtain a 15 minute average of the chart trace to compare the computer printout with.

**NOTE:** It is important to understand the 15 minute average being utilized on the computer printout is the average calculated for the previous 15 minutes and is represented in Eastern Standard Time. For example, the 15 minute average for 10:00 is the average from 9:45 to 10:00 EST.

4.14 The following steps facilitate comparison of Recorder "D" Data with the NIMO/JAF computer output;

4.14.1 If chart paper was replaced, indicate on Attachment 1.

4.14.2 Indicate on Attachment 1 if recorder Date and Time were correct.

4.14.3 Average both wind speed and wind direction on the strip chart on Recorder D for the time being scrutinized. Record the as found values on Attachment 1.

4.14.4 Using the computer printout, locate the 200 ft. wind speed average for the time being evaluated. Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.

4.14.5 Using the computer printout, locate the 200 ft. wind direction average for the time being evaluated. Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.

4.14.6 Compare as found values with target values.

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- 4.14.7 Wind direction values should agree within  $\pm 10.0^\circ$  of arc, and wind speed values should agree within  $\pm 3.0$  MPH.
  - 4.14.8 Check, as applicable, either SAT or UN-SAT on Attachment 1.
- 4.15 The following steps facilitate comparison of Recorder "G" Data with JAF computer output;
- 4.15.1 Repeat 4.13.1 through 4.13.5, for recorder "G."
  - 4.15.2 If chart paper was replaced, indicate on Attachment 1.
  - 4.15.3 Indicate on Attachment 1 if recorder Date and Time were correct.
  - 4.15.4 Average both wind speed and wind direction on the strip chart on Recorder G for the time being scrutinized. Record the as found values on Attachment 1.
  - 4.15.5 Using the computer printout, locate the 90 ft. wind speed average for the time being evaluated. Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.
  - 4.15.6 Using the computer printout, locate the 90 ft. wind direction average for the time being evaluated. Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.
  - 4.15.7 Compare as found values with target values.
  - 4.15.8 Wind direction values should agree within  $\pm 10.0^\circ$  of arc, and wind speed values should agree within  $\pm 3.0$  MPH.
  - 4.15.9 Check, as applicable, either SAT or UN-SAT on Attachment 1.
- 4.16 The following steps facilitate comparison of Recorder "J" Data with JAF computer output;
- 4.16.1 Repeat 4.13.1 through 4.13.5, for Recorder "J."

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- 4.16.2 If chart paper was replaced, indicate on Attachment 1.
  - 4.16.3 Indicate on Attachment 1 if recorder Date and Time were correct.
  - 4.16.4 Note the position of the toggle switch (located between Recorders J and K) for Recorder J. Indicate either the 30 or 100 foot switch position on Attachment 1.
  - 4.16.5 Average both wind speed and wind direction on the strip chart on Recorder J for the time being scrutinized. Record the as found values on Attachment 1.
  - 4.16.6 Using the computer printout, locate wind speed average for the time being evaluated based upon the toggle switch mode (30ft or 100ft). Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.
  - 4.16.7 Using the computer printout, locate wind direction average for the time being evaluated based upon the toggle switch mode (30ft or 100ft). Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 1.
  - 4.16.8 Compare as found values with target values.
  - 4.16.9 Wind direction values should agree within  $\pm 10.0^\circ$  of arc, and wind speed values should agree within  $\pm 3.0$  MPH.
  - 4.16.10 Check, as applicable, either SAT or UN-SAT on Attachment 1.
- 4.17 The following steps facilitate comparison of Recorder "K" Data with JAF computer output;
- 4.17.1 Repeat 4.13.1 through 4.13.5 for Recorder "K."
  - 4.17.2 If chart paper was replaced, indicate on Attachment 1.
  - 4.17.3 Indicate on Attachment 1 if recorder Date and Time were correct.
  - 4.17.4 Record the switch position and the respective measured parameter on Attachment 1.

- 4.17.5 Carefully inspect the strip chart for Recorder K and note the various scales;
- All four scales may not be visible (unless the paper has been extracted for paper replacement).
  - Channel 1 scale represents the temperature scale.
  - Channel 2 represents the scale for the 30-100 ft. temperature difference.
  - Channel 3 represents the scale for the 30-200 ft. temperature difference.
  - Channel 4 represents the scale for sigma theta (wind variation).

**NOTE:** The traces for each channel are labeled. Channels 1 and 2 scales are equivalent. Read the values directly.

- 4.17.6 Locate all four scales 1 - 4 and carefully determine the 15 minute average for each scale and parameter being evaluated at the time chosen.

- 4.17.7 Record on Attachment 1 the following as found values:

- Temperature (Channel 1)
- 30-100 ft. temperature difference (Channel 2)
- 30-200 ft. temperature difference (Channel 3)
- Sigma theta for the appropriate switch position (Channel 4).

**NOTE:** When recording temperature difference, record to the nearest tenth.

- 4.17.8 Using the computer printout, locate temperature, the temperature difference between 30 and 100 foot and the temperature difference between 30 and 200 foot on the printout for the time chosen. Record the target values on Attachment 1

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- 4.17.9 Note switch position for Recorder K (A, B, C or D). This switch determines which sigma theta (or wind direction variation) is being measured:
- "A" denotes the 200 ft. Sigma theta
  - "B" denotes the 100 ft. Sigma theta
  - "C" denotes the 30 ft. Sigma theta
  - "D" represents the JAF backup Sigma theta at 90 ft.
- 4.17.10 Based upon the switch position, locate the appropriate Sigma theta from the computer printout for the 15 minute average being utilized for the data comparison. Record the target value to the nearest tenth.
- 4.17.11 Compare as found values with target values:
- Temperature values should agree within  $\pm 2.0^{\circ}\text{F}$
  - Both temperature difference values should agree within  $\pm 1.0^{\circ}\text{F}$ .
  - Sigma theta (or wind direction variation) values should agree within  $\pm 2^{\circ}$  of arc.
- 4.17.12 Check, as applicable, either SAT or UN-SAT on Attachment 1.
- 4.18 Repeat 4.12 through 4.17 for the recorders in the Technical Support Center.
- 4.19 The following steps facilitate comparison of the MDAS PC data, obtained in step 4.7, with the computer printout.
- 4.19.1 Record the following as found meteorological parameters from the MDAS PC printout (Plant Parameter Weather Data) on Attachment 2:

- 200 ft. Wind Speed
  - 200 ft. Wind Direction
  - 200 ft. Sigma Theta
  - 30 ft. Wind Speed
  - 30 ft. Wind Direction
  - 30 ft. Sigma Theta
  - 30 ft. Absolute Temperature
- 4.19.2 Using the computer printout, locate the corresponding parameters from step 4.19.1 for the time period shown on the MDAS printout. Take care in recording the value (either a 1 or 2 digit number). Record the target values on Attachment 2.
- 4.19.3 Compare as found values with target values:
- Wind direction values should agree within  $\pm 10.0^\circ$  of arc.
  - Wind speed values should agree within  $\pm 3.0$  MPH.
  - Sigma theta values should agree within  $\pm 2^\circ$  of arc.
  - Temperature should agree within  $\pm 2^\circ\text{F}$ .
- 4.19.4 Check, as applicable, either SAT or UN-SAT on Attachment 2.
- 4.20 Attachment 1 and Attachment 2 shall be completed for the Control Room recorders, MDAS PC and Technical Support Center recorders; then submitted for review by the Emergency Planning Coordinator or designee.
- 4.21 Obtain an Emergency Meteorological Report using EDAMS (see EAP-42, Obtaining Meteorological Data).
- 4.21.1 Ensure time and date are correct (time should be within 15 minutes of real time).
- 4.21.2 Obtain a printout of the "Last 15 Minute Emergency Meteorological Report Data" and attach it to the surveillance.



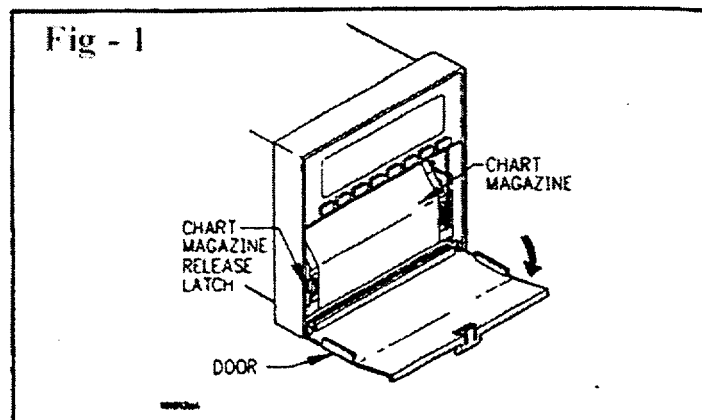
## 5.0 PAPER REPLACEMENT

5.1.1 Turn the printer **OFF** as follows:

- Press the **MENU** key on the front panel;
- Use Up or Down Arrow key to scroll to **PRINTER ON/OFF** and press the **ENTER** key;
- Use the Up or Down Arrow key to scroll to **OFF** and press the **ENTER** key.

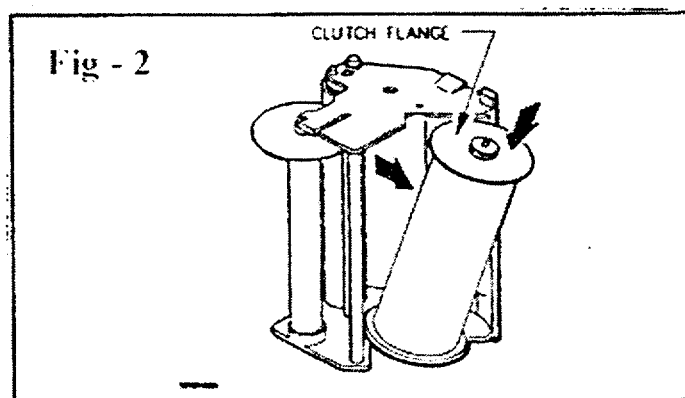
5.1.2 Open the recorder and press the Chart Magazine Release Latch, Figure 1.

5.1.3 Remove the Chart Magazine, Figure-1.



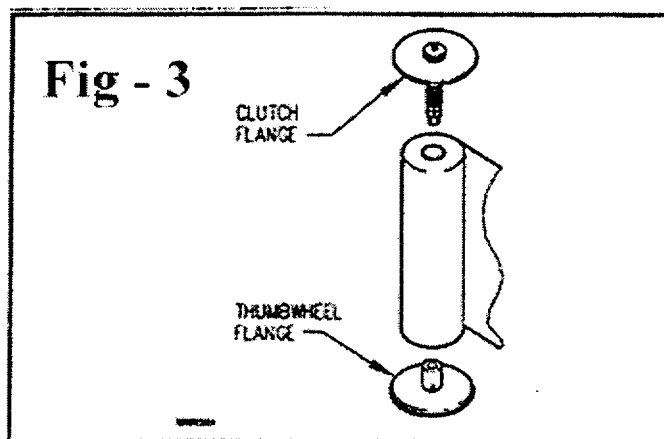
**Chart Magazine and Release Latch**

5.1.4 Remove the take-up reel by pressing lightly on the clutch flange, Figure-2.



**Take-up Reel Removal**

- 5.1.5 Remove the clutch flange and thumbwheel flange from the take-up reel, Figure-3

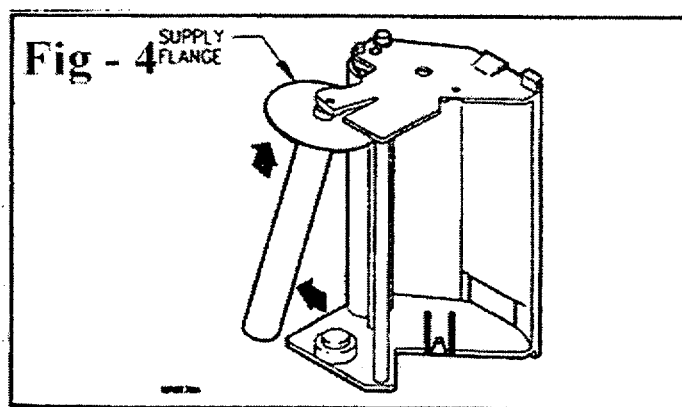


**Clutch Flange and  
Thumbwheel Flange Removal**

**NOTE:** Save the take-up reel as it will be needed.

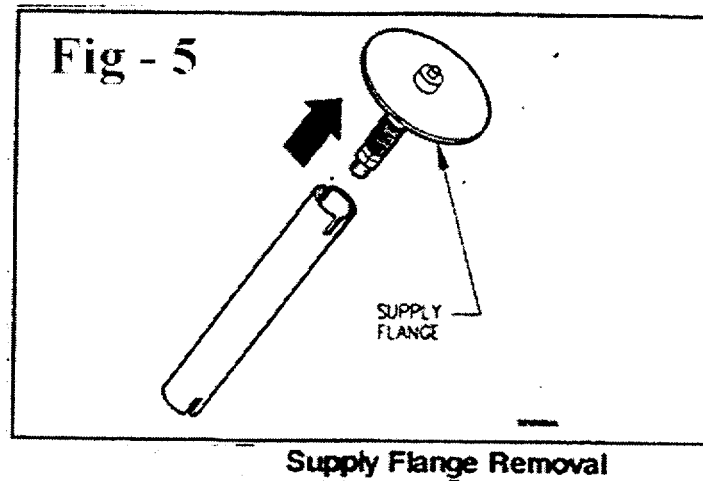
- 5.1.6 Remove any remaining paper from the take-up reel.

- 5.1.7 Remove the empty supply reel by pressing the side of the Chart Magazine the end of the supply flange, Figure-4.

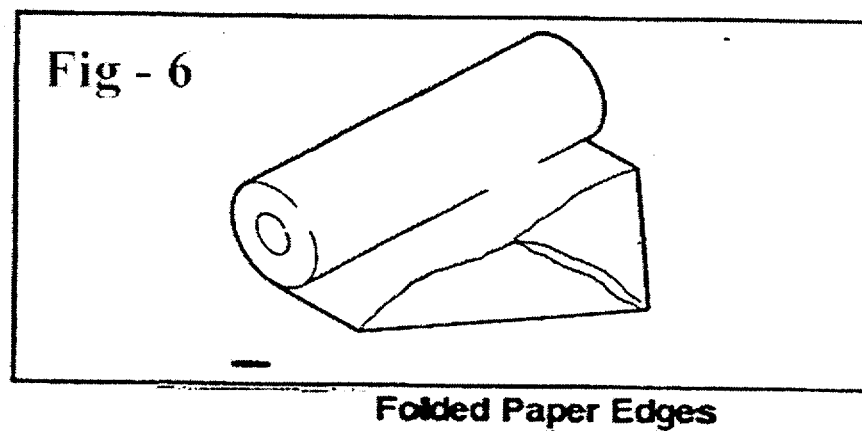


**Supply Reel Removal**

- 5.1.8 Remove the supply flange from the supply reel, Figure-5.

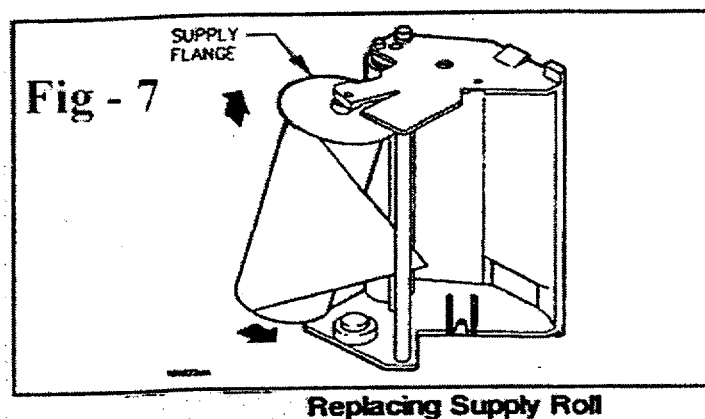


- 5.1.9 Remove a new roll of paper from the box and release the tape (Paper Stock #J0170999).
- 5.1.10 Fold the edges of the new roll toward the center to form a point, Figure-6.

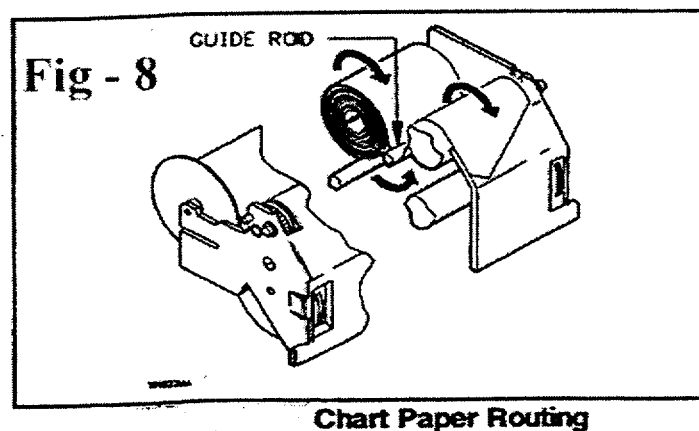


- 5.1.11 Insert the supply flange onto the new roll.

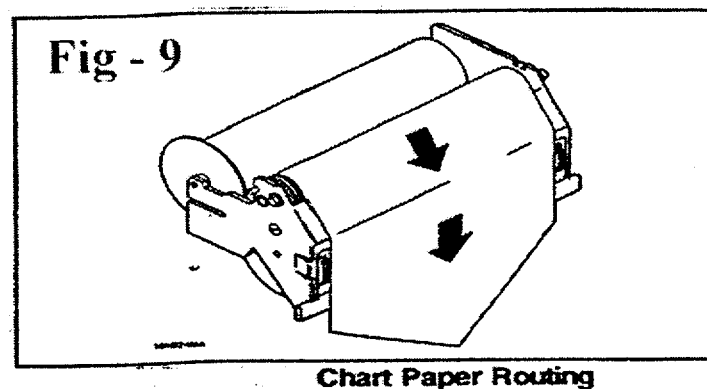
- 5.1.12 Install the supply roll into the Chart Magazine by inserting the end with the supply flange first, Figure-7.



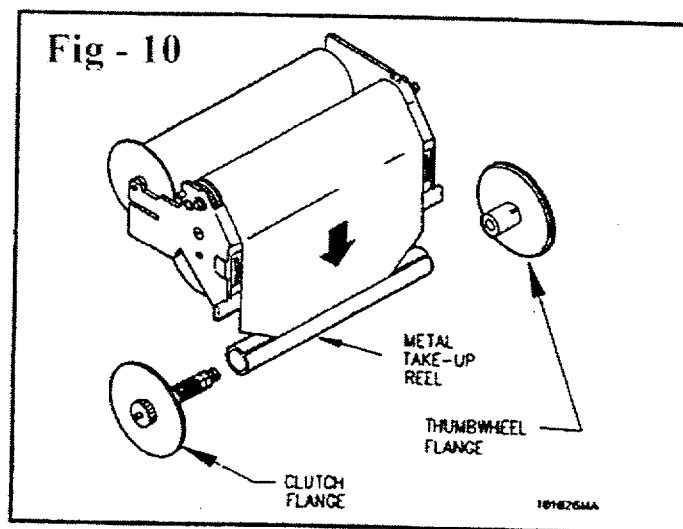
- 5.1.13 Route the chart paper back and under the guide rod, Figure-8.



- 5.1.14 Wrap the paper around the Chart Magazine, Figure-9.

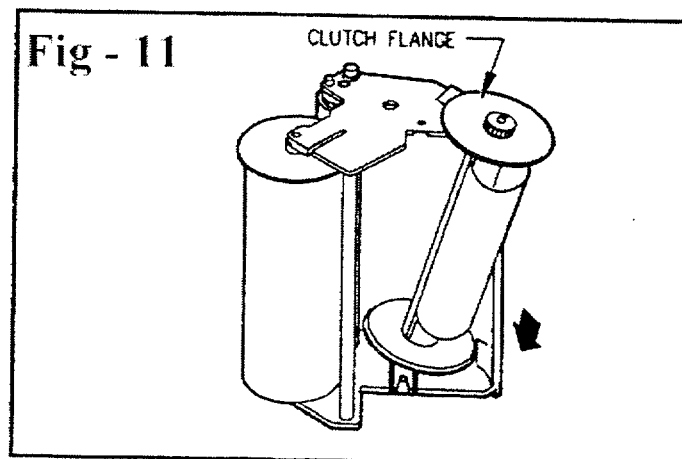


- 5.1.15 Insert the pointed end of the chart paper into the take-up reel, Figure-10.
- 5.1.16 Reinsert the clutch flange and thumbwheel flange into the take-up reel, Figure-10.



**Clutch Flange and  
Thumbwheel Flange Replacement**

- 5.1.17 Insert the thumbwheel flange end of take-up reel into the slotted end of the Chart Magazine and rotate clutch flange end into place, Figure-11.



**Inserting Take-up Reel**

- 5.1.18 Reinsert the Chart Magazine into the Recorder.
- 5.1.19 Turn the thumbwheel flange to ensure the paper is taut.
- 5.1.20 Close the Recorder door.
- 5.1.21 Turn the printer **ON** as follows:
  - Press the **MENU** key on the front panel;
  - Use Up or Down Arrow key to scroll to **PRINTER ON/OFF** and press the **ENTER** key;
  - Use the Up or Down Arrow key to scroll to **ON** and press the **ENTER** key.
- 5.1.22 Restore the recorder display as follows:
  - Press the **MENU** key until **READY** is displayed;
  - Press and hold the Up arrow button until a value is displayed, then release the button.
- 5.1.23 Initial, date and record the strip chart ID and location on the new strip chart roll just replaced.
- 5.1.24 Inspect the paper for print quality.
- 5.1.25 Label the spent paper roll with the following:
  - Date
  - Time
  - Recorder letter
  - Location of Recorder (CTRL Rm or TSC)
- 5.1.26 Return the spent paper to Emergency Planning.

## 6.0 ATTACHMENTS

1. METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE
2. MDAS PC SURVEILLANCE

METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE

Page 1 of 2

Location: Technical Support Center / Control Room (circle one)

Date: \_\_\_\_\_ and hour chosen for comparison \_\_\_\_\_ EST (am/pm)**RECORDER D**

Recorder "D"	Target	As Found	+/-	Sat (✓)	Un-sat (✓)
200 ft. Wind Speed (MPH)			3.0		
200 ft. Wind Direction (Degrees)			10 °		
Strip Chart Paper Replaced?					
Date and Time Proper?					
Recorder D Returned to Normal					

**RECORDER G**

Recorder "G"	Target	As Found	+/-	Sat (✓)	Un-sat (✓)
90 ft. Wind Speed (MPH)			3.0		
90 ft. Wind Direction (Degrees)			10 °		
Strip Chart Paper Replaced?					
Date and Time Proper?					
Recorder G Returned to Normal					

Remarks/Comments:

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**RECORDER J**

Toggle Switch Position: 30 ft 100 ft (circle one)

Recorder "J"	Target	As Found	+/-	Sat (✓)	Un-sat (✓)
Wind Speed (MPH)			3.0		
Wind Direction (Degrees)			10 °		
Strip Chart Paper Replaced?					
Date and Time Proper?					
Recorder J Returned to Normal					

**RECORDER K**

Switch Position: A=200 B=100 C=30 D=JAF Backup (Circle One)

Recorder "K"	Target	As Found	+/-	Sat (✓)	Un-sat (✓)
Temperature (Degrees F)			2 °		
30-100 ft. Temp. Diff. (Degrees F)			1 °		
30-200 ft. Temp. Diff. (Degrees F)			1 °		
Sigma Theta (Degree Arc)			2 °		
Strip Chart Paper Replaced?					
Date and Time Proper?					
Recorder K Returned to Normal					

**Remarks/Comments:**


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Date: \_\_\_\_\_ Completed by: \_\_\_\_\_

Date: \_\_\_\_\_ Review by: \_\_\_\_\_



## MDAS PC SURVEILLANCE

PAGE 1 OF 1

Location: Technical Support Center / Control Room (circle one)

Date: \_\_\_\_\_ and hour chosen for comparison \_\_\_\_\_ EST (am/pm)

**MDAS PC**

MDAS PC	Target	As Found	+/-	Sat (✓)	Un-sat (✓)
200 ft. Wind Speed (MPH)			3.0		
200 ft. Wind Direction (Degrees)			10 °		
200 ft. Sigma Theata (Degrees)			2 °		
30 ft. Wind Speed (MPH)			3.0		
30 ft. Wind Direction (Degrees)			10 °		
30 ft. Sigma Theata (Degrees)			2 °		
30 ft. Absolute Temperature (Degrees F)			2 ° F		
Agreement of EDAMS clock & real time?					

Remarks/Comments: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Completed by: \_\_\_\_\_

Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_

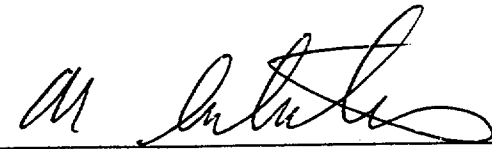
ENTERGY NUCLEAR NORTHEAST  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY PLAN ASSIGNMENTS\*  
SAP-20  
REVISION 20

REVIEWED BY: PLANT OPERATING REVIEW COMMITTEE  
MEETING NO. N/A

DATE: N/A

APPROVED BY:



RESPONSIBLE PROCEDURE OWNER

DATE:

2/25/02

EFFECTIVE DATE:

March 1, 2002

FIRST ISSUE ☐

FULL REVISION ☒

LIMITED REVISION ☐

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PERIODIC REVIEW DUE DATE:

March 2007

## REVISION SUMMARY SHEET

## REV. NO.

20

- Change the drill requirement for JNC Director to drill at least once every 24 months.
- Position 59 - number 2 - added words "and north exit door leading to the JNC" for better instructions.
- Combined positions 68 & 69 - Public Information Tech Assistant.
- Updated Entergy's name change from Power Authority.
- Replaced Power Authority Headquarters with ENN in position 71.
- In position 74 - removed reference to Headquarters Emergency Plan.
- Added note 5 to ERO Training Applicabilities pages.
- Added position number 95 in the JNC Emergency Augmented Staff called RP Briefer.
- Added position number 96 in the TSC Emergency Augmented Staff called TSC Support.
- Added position 95 and 96 - RP Briefer and TSC Support.
- Added note 5 to Attachment 2.
- On Attachment 2, Deleted Public Info. Liaison
- On Attachment 2, Split up the I&C Tech and Supervisor - added the I&C Supervisor line,
- On Attachment 2, changed the B&G line from attendant/SR/Mech. To Trades.
- Added SCBA to the Abbreviations & Acronym Table
- Added the word "Qualified" to the RESP line on the Abbreviation & Acronym Table.

19

- Attachment 1, page 45, changed EOF Rad Engineer alternate to Dose Assessment Coordinator
- Attachment 1, page 42, added System Assessment Advisor and Parameter Assessment Advisor positions to the CR organization chart.
- Attachment 1, page 43, deleted System Assessment Advisor and Parameter Assessment Advisor positions from the TSC organization chart.
- Added number (4) to the Note on Attachment 1, page 47 and Attachment 2, page 54.
- Added (4) to Attachment 2, TSC walk-thru training requirement.
- Moved System Assessment Advisor and Parameter Assessment Advisor positions from the TSC to the CR on Attachment 2.

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**1.0 PURPOSE**

This SAP provides job specific guidance for Emergency Plan assignments. Positions that are defined in the normal plant organization chart are not defined within. Each position includes an arbitrarily assigned reference number for that position. Adherence to specific instructions is very desirable as portions of this guidance may have been developed in response to drill comments or events, but procedural adherence is not required. Individual sections may be copied and used by staff for reference, as needed.

**2.0 REFERENCES****2.1 Performance References**

None

**2.2 Developmental References**

2.2.1 JAF Emergency Plan Section 5, ORGANIZATION\*

2.2.2 EAP-17, EMERGENCY ORGANIZATION STAFFING\*

**2.3 Management Expectations**

2.3.1 ACT-99-40398 (DER-99-00118) Ensure the Emergency Response Organization immediately reviews any procedural deviations or departures taken from approved plant procedures during emergencies.

**3.0 INITIATING EVENTS**

None

**4.0 PROCEDURE**

4.1 Each individual called on to fill an emergency position in the Control Room, Technical Support Center, Operational Support Center or another facility should use as reference the appropriate enclosure for that emergency position found in this procedure. Attachment 1 to this procedure includes the Emergency Organization charts for each facility. The charts include the position title, the facility activation requirements and the designated alternate.

4.2 All documentation generated through the implementation of this procedure should be forwarded to:

Emergency Planning Coordinator  
James A. FitzPatrick Nuclear Power Plant

4.3 Attachment 2 includes a list of ERO Training Applicability.

5.0 **ATTACHMENTS**

1. ORGANIZATION CHARTS AND LEGEND
2. ERO TRAINING APPLICABILITY

**EMERGENCY AUGMENTED FACILITY LEADS****POSITION 1****EMERGENCY DIRECTOR/TSC MANAGER ALT.****"ED"**

## Emergency Director - TSC Responsibilities

1. Activate TSC in accordance with EAP-14.1. Ensure that Attachment 2 of EAP-14.1 (TSC Activation Checklist) is completed. Ensure announcement is made when TSC becomes operational.
2. Use IAP-2 to classify emergency as either UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY.
3. After classifying the emergency, complete IAP-1 checklist to assure appropriate procedures are initiated.
4. Review and approve New York State/Oswego County Part I, II and III forms every half hour or upon significant event change (forms found in EAP-1.1.). Descriptive information should not be of a highly technical nature.
5. Announce over Gai-Tronics an update on plant status at approximately half-hour intervals.
6. Approve protective action recommendations prior to approving Part I and II forms.
7. Assure NRC notification over ENS has been done by Control Room Communicator and continued by TSC Communicator.
8. Authorize on Attachment 1 of EAP-15 all emergency exposure limits.
9. Review all press releases from the Joint News Center.
10. Gather TSC coordinators into conference room to plan corrective actions and have TSC coordinators brief each other on status of activities.
11. Appoint TSC Manager as Acting Emergency Director when you are in transit to EOF, or at other times as necessary.
12. Approve Part I, II and III forms just prior to leaving the TSC for the EOF.
13. Assure status boards are updated.
14. Refer to Section 5.3.1 of the Emergency Plan for a listing of general responsibilities.
15. Ensure offsite agencies are notified prior to a site evacuation.

**EMERGENCY AUGMENTED FACILITY LEADS****POSITION 1****EMERGENCY DIRECTOR/TSC MANAGER ALT.****"ED" (continued)**

16. Notify NMPC if remote assembly area on Howard Road is to be used. (Have RSC dispatch rad technicians and equipment to Howard Road for personnel and vehicle monitoring.)
17. Notify Environmental Lab of emergency classification, if during normal working hours, and have them initiate activation of the EOF.
18. Ensure Plant Computer Operator activates ERDS upon declaration of an Alert.
19. Include the status of repair team actions during periodic plant briefings.
20. Notify EOF Manager just prior to leaving TSC.
21. Declare EOF operational upon arrival after discussion with TSC.

**↓EXP2.3.1**

22. Review any deviations or departures from procedures during emergencies. Initiate required notifications. (reference AP-02.06, Section 7.0)

**POSITION 2****EMERGENCY DIRECTOR AIDE****"ED Aide"**

1. Review EOF activities and ensure their compliance with emergency plan procedures.
2. Act as a contact point for offsite agencies.

**POSITION 3****OPERATIONS COORDINATOR****"OPS COORDINATOR"**

1. Direct plant operational activities.
2. Advise the Emergency Director on matters concerning plant operations.
3. Direct Accident Management Team; act as decision maker regarding Severe Accident Management.
4. Utilize EOPs, SAOGs, and TSGs in support of Severe Accident Management.



**POSITION 4****TECHNICAL SUPPORT CENTER MANAGER****"TSC Manager"**

1. Activate TSC in accordance with EAP-14.1. Complete Attachment 2 of EAP-14.1.
2. Use IAP-2 to assist in classifying the emergency as UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY.
3. After classifying the emergency, complete IAP-1 checklist to assure appropriate procedures are initiated.
4. Assure Communications and Records Coordinator transmits Part I, II and III forms every 30 minutes at a minimum (until EOF is declared operational).
5. Assign Licensed SRO to staff the Control Room/OSC/TSC/EOF hot line.
6. Fulfill Emergency Director's responsibilities while he is in transit to the EOF, and at other times as necessary.
7. Assure the following coordinators fulfill their responsibilities:
  - a. Security Coordinator
  - b. Technical Coordinator
  - c. Communications and Records Coordinator
  - d. Emergency Maintenance Coordinator
  - e. Rad Support Coordinator
  - f. Emergency Director Aide
8. Refer to Section 5.3.2 of the Emergency Plan for a listing of general responsibilities.
9. Conduct formal conferences as required.
10. Emphasize TSC formality to all personnel.

**POSITION 5****OPERATIONAL SUPPORT CENTER MANAGER****"OSC Manager"**

1. Activate OSC in accordance with EAP-14.5.
2. Determine requirements for facility operability based upon the guidance provided in EAP-14.5.
3. Assign communicator (preferably SRO) to staff the 4-way hot line.

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**POSITION 5**  
**OPERATIONAL SUPPORT CENTER MANAGER**  
**"OSC Manager"**  
**(continued)**

4. Check communications equipment for operability (e.g. OSC page system, hot lines, telephones, plant page).
5. Conduct frequent OSC briefings using the guidance provided by Attachment 2 of EAP-14.5, OSC Briefing Checklist.
6. Perform duties as specified in EAP-14.5, Section 4.3.3.
7. Emphasize OSC formality to all OSC personnel.
8. Ensure that team members have proper safety equipment (eg. hard hats, flashlights, etc.).
9. Ensure workers radiological exposure limits and qualifications are identified as soon as the OSC is manned.
10. Repair teams should be briefed to call back to OSC when responding to PA announcements while working on emergency tasks in the plant (e.g. during a protected area evacuation).
11. Ensure all team members (including rad tech) are present at the briefing prior to dispatching them.
12. Repair teams should be reminded to leave work area as soon as work is completed.
13. Assure in-plant teams have been thoroughly briefed prior to being dispatched. Formal briefings and debriefings need to be conducted.
14. Assure OSC work activity center maintains up-to-date status board for tracking the dispatching of in-plant teams.

## POSITION 6

## EMERGENCY OPERATIONS FACILITY MANAGER

## "EOF Manager"

1. Assure EOF is being activated in accordance with procedure EAP-14.2.
2. Assign communicators or other personnel to perform the following functions:
  - relay Part I data over RECS
  - update status boards as needed
  - telecopy Parts I, II, and III data as needed
  - copy and distribute Parts I, II and III data within EOF
3. Ensure individuals and equipment are available for performing the following functions:
  - relaying of technical data from plant
  - relaying required information to offsite agencies
  - dose assessment activities
  - logging EOF activities
  - tracking emergency facilities long term staffing
  - procurement of supplies, materials and services
4. Upon declaring the EOF operational, ensure Parts I, II and III forms are completed and disseminated as required.

Use the following for guidance in distributing forms:

	Part I forms	Part II forms	Part III forms
Prepared by:	EOF Manager	Rad Support Coord.	Technical Liaison
Approved by:	Emergency Director	Emergency Director	Emergency Director

## Distribution:

Emergency Director	Emergency Director	Emergency Director
EOF Manager	EOF Manager	EOF Manager
Status Boards Keeper	Dose Assessment	Status Boards Keeper
Rad Support Coord.	Boards Keeper	
RECS Communicator	Rad Support Coord.	Technical Liaison
Telecopiers	Telecopiers	Telecopiers

5. Ensure conferences between EOF Manager and Emergency Director are conducted as needed.
6. If an emergency generator is required for EOF power, call Auburn Armature at 1-800-333-0519.
7. Avoid conducting facility briefings while RECS line is in use.

**POSITION 7****JAF SPOKESPERSON****"JAF SPOKESPERSON/JNC DIRECTOR"**

The position of Entergy's Spokesperson will be filled by the Director, Public Information, or designee. The Spokesperson will coordinate all outgoing information. The responsibilities of the Spokesperson will include:

1. Conducting routine interviews.
2. Serving as the source of statements.
3. Presiding at formal news conferences.
4. Coordinating the technical briefer and senior management available to the news media for information.
5. Coordinating the activities with the JNC Administrative Manager.
6. Maintaining contact with the Headquarters Office and securing any needed approvals.
7. Coordinating information with public information spokesperson for local, state, and federal agencies.

**TECHNICAL SUPPORT CENTER EMERGENCY AUGMENTED STAFF****POSITION 15****COMMUNICATIONS AND RECORDS COORDINATOR**

1. Assist in TSC set-up in accordance with EAP-14.1.
2. Obtain copies of all Control Room communication forms for historical purposes.
3. Complete Parts I, II and III forms located in EAP-1.1 with appropriate input from Rad Support Coordinator and Technical Coordinator. Descriptive information should not be of a highly technical nature.
4. Transmit Parts I, II and III forms located in EAP-1.1 every 30 minutes or upon significant event changes to Oswego County, New York State, EOF and JNC via telecopiers located at switchboard.
5. Designate a RECS communicator to transmit information over RECS phone when Part I of EAP-1.1 is completed.

**POSITION 15**  
**COMMUNICATIONS AND RECORDS COORDINATOR**  
(continued)

6. Designate a communicator or clerk to make copies of Parts I, II and III forms located in EAP-1.1 to distribute to:

1. Rad Support Coordinator
2. Plant Engineers
3. Technical Coordinator
4. OSC Manager
5. Public Information Officer
6. Emergency Director
7. Emergency Maintenance Coordinator
8. NRC Communicator
9. Communications and Records Coordinator
10. Telecopier

7. Assign an individual to staff the NRC ENS hotline (preferably an SRO - use any communicator if SRO is unavailable).

8. Assign an individual to contact all agencies on Attachment 8 of EAP-1.1 not already notified by Control Room Communicator, if Emergency Director so desires.

9. Maintain log of events in record book.

10. Once EOF is operational, they will transmit Parts I, II and III forms located in EAP-1.1 to Oswego County, New York State and JNC.

11. Terminate sending all telecopies to Oswego County and New York State once the EOF is operational.

12. Request to receive Parts I, II and III forms located in EAP-1.1 via telecopy from EOF after the EOF is operational and distribute them.

13. Instruct the TSC RECS Communicator to copy information from Attachment 1 of EAP-1.1 after EOF is activated and distribute it.

**NOTE:** Distribute either the Part I copied by the RECS communicator or the one telecopied from the EOF. It is not necessary to distribute both.

**POSITION 16****EMERGENCY MAINTENANCE COORDINATOR****"EMC"**

1. Assist in TSC set-up in accordance with EAP-14.1.
2. Assist in the OSC activation process by ensuring that an OSC Manager has been appointed.
3. Coordinate with Operations the dispatching of damage repair teams after informing the TSC Manager of the intent to dispatch a team.
4. Update TSC with findings of damage repair teams after they have returned to OSC work activity center and have been debriefed.
5. Maintain log of events in record book.
6. Emphasize the importance of prioritizing tasks to be worked on by OSC repair teams. As priorities change during the event, the priorities of individual tasks may also change. These priorities must be communicated to respective personnel.
7. The Emergency Maintenance Coordinator should set the priorities and discuss them with the OSC Manager. The status of repair teams should be forwarded to the ED/TSC Manager to be included in the plant briefings.
8. Supervisors should maintain logs of their activities.
9. Repair teams should be briefed to call back to OSC when responding to PA announcements while working on emergency tasks in the plant (e.g. during a protected area evacuation).
10. Repair teams should be reminded to leave work area as soon as work is completed.

**POSITION 17****EMERGENCY SECURITY COORDINATOR**

1. Assist in TSC set-up in accordance with EAP-14.1.
2. Coordinate assistance from Oswego County Sheriff's Department if they are needed for site access control.
3. Coordinate assistance from offsite fire agencies if they are needed.
4. Coordinate personnel accountability activities in accordance with EAP-8.
5. Assure EOF Security Coordinator and Security Guard have been dispatched to the EOF upon activation.
6. Establish emergency access control points to the site in accordance with EAP-23.
7. Inform Main Security to establish and update an emergency classification sign.
8. Maintain log of events in record book.

**POSITION 18****TECHNICAL COORDINATOR****"TSC Technical Coordinator"**

1. Assist in TSC set-up in accordance with EAP-14.1. (Group)
2. Coordinate use of SPDS information for monitoring plant status. (Engineers)
3. Update status boards using SPDS information and SRO communicator on hotline with Control Room. (Engineers)
4. Provide completed Part III form of EAP-1.1 every 30 minutes or upon significant change to Communications and Records Coordinator.

**NOTE:** The EOF will perform this function upon being declared operational. (Engineers)

5. Provide technical support to the Control Room regarding appropriate corrective measures. Use available TSC drawings. (Engineers)
6. Assist in emergency classifications in accordance with IAP-2. (Coordinator)
7. Coordinate engineering decisions with G.E. liaison. (Engineers)
8. Maintain documentation on plant forms, etc. which clearly describe any work activities or modifications not found in plant procedures. (Engineers)
9. Coordinate in-plant repair activities with Emergency Maintenance Coordinator and OSC Manager. (Coordinator)
10. Maintain log of events in record book. (Group)
11. Provide input to NRC communicator on operations data for NRC review. (Engineers)



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POSITION 19

## RAD SUPPORT COORDINATOR

**"TSC Rad Support Coordinator"**

1. Assist in TSC set-up in accordance with EAP-14.1.
2. Assure Rad Engineers verify equipment is operational.
3. Verify that equipment listed in EAP-14.6, Habitability of the Emergency Facilities; Section 3.0 (Initiating Events) is operational so that indicators of abnormal radiological conditions can be monitored.
4. Obtain copies of completed Part I and II forms of EAP-1.1 from Control Room along with protective action recommendations (as appropriate).
5. Assure Out-of-Plant Dispatcher verifies cellular phone and radio equipment is operational.
6. Assure Rad Protection Supervisor establishes CAM, IM-1A and ARM by switchboard is operational and has technician available for habitability surveys in emergency facilities and assembly areas.
7. Establish Rad Protection and Chemistry Supervisors in OSC for coordination of in-plant teams.
8. Review and provide completed Part I and II forms of EAP-1.1 to Communications and Records Coordinator for Emergency Director approval.
9. Approve completed protective action recommendations from data obtained through the use of EAP-4 and EAP-42.
10. Designate Rad Engineers to monitor plant parameters and determine source term.
11. Assure Rad Engineers estimate fuel damage as described in EAP-44, if appropriate.
12. Assure Plant Chemistry Supervisor makes appropriate provisions for PASS sampling in accordance with PSP-17, AM-03.01, etc.
13. Perform dose assessment on EDAMS, if necessary. (EOF may take over this function as soon as dose assessment personnel arrive at the EOF.) Ensure that a complete turnover of dose assessment functions is completed prior to transfer of dose assessment to the EOF.
14. Coordinate in-plant entries using EAP-6.
15. Coordinate dispatching of field teams (2 offsite and 1 onsite) using EAP-5.3.
16. Maintain log of events in record book.
17. Ensure equipment is operational and meteorological/survey team information is posted. Contact a plant computer operator if equipment is inoperable.
18. Update of meteorological information and plant status to field teams must be done every 15 minutes and/or upon changing.

## POSITION 19

## RAD SUPPORT COORDINATOR

"TSC Rad Support Coordinator"

(continued)

19. Consider the need for increased habitability monitoring and area surveys throughout the plant during loss of power scenarios (i.e. area rad monitors and/or process rad monitors not available).
20. OSC repair team members radiological exposure limits and qualifications need to be identified upon OSC activation.
21. Upon OSC activation recommend to OSC Manager and Rad Protection Supervisor that repair teams dress-out in PCs.
22. Assist with Accident Management Team.
23. Evaluate radiological conditions that could impact a Protected Area evacuation (EAP-10) and/or Site Evacuation\* (EAP-11).

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**POSITION 21**  
**NRC COMMUNICATOR**

1. Assist in TSC set-up in accordance with EAP-14.1. (Group)
2. Obtain copies of all forms completed in the Control Room prior to TSC activation. (RECS and ENS Communicators)
3. Maintain continuous communication with NRC Operations Center via the ENS line. Provide information needed to update their status boards. Ensure Attachment 6 of EAP-1.1 is completed and transmitted as required.

Also, as part of the Records and Communications group, assist in the following, if necessary.

4. Complete Part I, II and III forms of EAP-1.1 with appropriate input from Radiation Support Coordinator, Technical Coordinator and/or Security Coordinator until EOF is operational. (Communications/Records Coordinator)
5. Transmit information on Part I form of EAP-1.1 every 30 minutes or upon significant event changes to Oswego County and New York State via RECS until EOF is operational. (RECS Communicator)
6. Telecopy Part I, II and III forms of EAP-1.1 every 30 minutes or upon significant event changes to Oswego County and New York State until EOF is operational. (Telecopy/Switchboard Op)
7. Telecopy all forms completed in Control Room and TSC prior to EOF activation to the EOF. (Telecopy/Switchboard Op)
8. Complete and maintain notifications to all agencies on Attachment 8 of EAP-1.1 if directed to do so by the E.D. (Communicator)
9. Copy and distribute Part I, II and III forms of EAP-1.1 to:  
(Communicator)
  - Emergency Director
  - Radiation Support Coordinator
  - Technical Coordinator
  - Emergency Maintenance Coordinator
  - Communications/Records Coordinator
  - Public Information Officer
  - Security Coordinator
  - ENS Communicator

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**POSITION 21**  
**NRC COMMUNICATOR**  
(continued)

10. Maintain log of events in record book. (Group)
11. Receive telecopies of Part I, II and III forms of EAP-1.1 from EOF after it is operational. (Telecopy/Switchboard Operator)
12. Record all briefings by Emergency Director and information discussed in Coordinator's conferences. (Emerg. Log Keeper)

**POSITION 22**  
**SECURITY COORD/SERGEANT**

1. Ensure accountability is conducted in accordance with EAP-8.

**POSITION 23**  
**PLANT ENGINEER**  
**" TSC Plant Engineers"**

1. Assist in TSC set-up in accordance with EAP-14.1.
2. Use computer terminals and EPIC to obtain computer information.
3. Monitor EPIC computer emergency logs.
4. Update vessel level and pressure status boards as information changes.
5. Complete Part III forms of EAP-1.1 on a half hour basis or upon significant changes. Route to Communications and Records Coordinator through Technical Coordinator. (When EOF is operational, Part III forms will be filled out and telecopied by EOF personnel.)
6. Provide technical support as directed by Technical Coordinator.
7. Develop corrective actions to solve problems utilizing all available resources (drawings, technical manuals, etc).
8. Verify plant status information with Licensed SRO communicator on the Control Room hotline.
9. Coordinate repair efforts with OSC personnel as required.

**POSITION 24****RAD ENGINEER****"TSC Rad Engineers"**

1. Position reports to the Rad Support Coordinator.
2. Assist with TSC set-up in accordance with EAP-14.1.
3. Obtain meteorological data in accordance with EAP-42 and/or posted operator aid. Mete data should be posted every 15 minutes on status board and updated to field teams at the same time. The radio dispatcher can perform these tasks.
4. Obtain plant process data via EPIC and/or Plant Parameter terminals. Use EAP-4 for calculating release rates and projecting doses. This should be done every 30 minutes as a minimum. Release rates and projected doses should be used to complete Part II forms of EAP-1.1 on same frequency.
5. Assure EDAMS is operational in accordance with EAP-4.
6. Verify mete data information that was used for Part I Of EAP-1.1 in the Control Room.
7. Obtain protective action recommendations via EAP-4.
8. Interface with Plant Chemistry Supervisor to obtain a more representative isotopic breakdown of source term.
9. Estimate fuel damage via EAP-44.

**Radiological Assessment Group**

1. Assist in TSC set-up in accordance with EAP-14.1. (Group)
2. Obtain copies of Part I forms of EAP-1.1 from the Control Room to determine meteorological/dose assessment information already sent to offsite agencies. (Rad Engineers)
3. Verify that meteorological data from the computer and strip charts is accurate and current. (Rad Engineers)
4. Assure technicians, Rad Protection and Chemistry Supervisors are available for OSC staffing and functions. (Rad Support Coordinator)
5. Assure cellular phone and radio equipment is operable for survey teams. (Out-of-Plant Dispatcher)
6. TSC habitability verified using CAM, IM-1A and area rad monitor established at switchboard. (Radiation Support Coordinator)
7. Establish habitability surveys in accordance with EAP-14.6 as conditions warrant. (Radiation Protection Supervisor)
8. Complete information for Part I, II and III forms of EAP-1.1 forms and provide to Communications/Records Coordinator for Emergency Director approval. (Radiological Support Coord.)

**POSITION 24****RAD ENGINEER****"TSC Rad Engineers"****(continued)**

9. Complete protective action recommendations per EAP-4 for supporting documentation on Part I and II forms of EAP-1.1. (Rad Engineers)
10. Monitor effluent pathways and determine source terms using forms in EAP-4. (Rad Engineers)
11. Estimate fuel damage. (Rad Engineers)
12. Coordinate PASS activities. (Plant Chemistry Supervisor)
13. Monitor in-plant work activities and record radiological data in accordance with EAP-6. (Radiation Protection Supervisor)
14. Coordinate dose projections with EOF prior to transferring activities. (Rad Engineers)
15. Maintain log of events. (Group)

**POSITION 25****COMMUNICATOR****"TSC Communicator"**

1. Assist in TSC set-up in accordance with EAP-14.1. (Group)
2. Obtain copies of all forms completed in the Control Room prior to TSC being declared operational.
3. Complete Parts I, II and III forms of EAP-1.1 with appropriate input from Radiation Support Coordinator, Technical Coordinator and/or Security Coordinator until EOF is operational. (Communications/Records Coordinator)
4. Transmit information on Part I forms of EAP-1.1 every 30 minutes or upon significant event changes to Oswego County and New York State via RECS until EOF is operational.
5. Telecopy Parts I, II and III forms of EAP-1.1 every 30 minutes or upon significant event changes to Oswego County and New York State until EOF is operational. (Telecopy/Switchboard Op)
6. Telecopy all forms completed in Control Room and TSC prior to EOF activation to the EOF. (Telecopy/Switchboard Op)
7. Complete and maintain notifications to all agencies on Attachment 8 of EAP-1.1 if directed to do so by the E.D. (Communicator)

## POSITION 25

## COMMUNICATOR

"TSC Communicator"

(continued)

8. Copy and distribute Parts I, II and III forms of EAP-1.1 to:  
(Communicator)
  - Emergency Director
  - Radiation Support Coordinator
  - Technical Coordinator
  - Emergency Maintenance Coordinator
  - Communications/Records Coordinator
  - Public Information Officer
  - Security Coordinator
  - NRC Communicator
9. Maintain continuous communication with NRC Operations Center via the ENS line. Provide information needed to update their status boards. (NRC Communicator)
10. Maintain log of events in record book. (Group)
11. Receive telecopies of Parts I, II and III of EAP-1.1 from EOF after it is operational. (Telecopy/Switchboard Operator)
12. Record all briefings by Emergency Director and information discussed in Coordinator's conferences. (Emerg. Log Keeper)
13. Complete, as necessary, all call-outs of additional plant personnel needed for support in accordance with EAP-1.1.
14. Maintain copies of all forms.

**POSITION 26****TELEPHONE/TELECOPY/ACCOUNTABILITY****"TSC Telephone/Telecopy Operators"**

1. Perform switchboard activities for screening incoming calls.
2. Set-up telecopiers according to the following:
  - a. Transmit only telecopier should be telephone number 342-4268. This should be used to transmit telecopies to Oswego County and New York State (Part I, II and III forms) until the EOF is operational.
  - b. Receive only telecopier should be telephone number 349-6053. This should be used to receive Part II forms from the EOF after it is operational.
3. Maintain a copy of all telecopies with the attached transmission reports.
4. Provide the EOF with copies of all Part I, II and III forms transmitted prior to the EOF being operational.

**NOTE:** Telecopies of Part I, II and III forms to NYS and Oswego County should take priority over routine telecopies (eg. accountability forms to Staffing Coordinator).

**POSITION 28****REACTOR ENGINEERING**

1. Assist in the estimation of fuel damage via EAP-44.
2. Perform Reactor Engineering duties as required.
3. Provide support for Severe Accident Management Team.
4. Confirm Reactor shutdown.
5. Identify RPV breach.
6. Determine status of Torus spray, Drywell Spray, and Boron Injection.



**POSITION 29****EMERGENCY LOG KEEPER**

1. Maintain an historical log of TSC activities which include as a minimum:
  - timeline of activities (e.g. time facility declared operational, E.D. directives, etc.)
  - summarize discussions between E.D. and other TSC staff
  - summarize coordinator briefings
  - summarize TSC Manager discussions and briefings

**POSITION 30****PLANT COMPUTER OPERATOR****"TSC Computer Operator"**

1. Assure TSC computer system (EDAMS, EPIC and Plant Parameter) and terminals are functional.
2. Assist in TSC set-up in accordance with EAP-14.1.
3. Monitor process run on computer systems to assure emergency priorities are established.
4. Maintain log of events in record book.
5. Activate ERDS at the Alert or higher classification.
6. Assess and maintain computer operability in the Control Room, TSC, OSC and other areas as requested.

**POSITION 32****RADIO DISPATCHER**

1. Ensure all equipment is operational.
2. Monitor and log locations of teams.
3. Interface with Rad Support Coordinator/Rad Engineers and keep them informed regarding survey results.
4. Periodically brief team regarding plant conditions and significant events.

**POSITION 51**  
**STAFFING COORDINATOR**

1. Upon arriving at the EOF, the Staffing Coordinator should consult emergency implementing procedure EAP-43, Emergency Facilities Long Term Staffing.
2. As personnel arrive at the EOF, the Staffing Coordinator shall update the EOF Organization Status Board. Inform the EOF Manager when all JAF positions have been filled.
3. The Staffing Coordinator shall complete step 4.2 of EAP-43 by obtaining copies of forms in file cabinet.
4. Once above forms have been completed, assure copies are distributed. To do this, the Staffing Coordinator shall direct an individual to send copies of completed forms to the appropriate facilities.

**NOTE:** Control Room and OSC forms should be sent to the TSC with instructions for forwarding to the Ops Coordinator and OSC Manager, respectively.

**POSITION 52**  
**EMERGENCY LOG KEEPER EOF**

1. Maintain a historical log of EOF activities which include as a minimum:
  - timeline of activities (i.e., when facility is operational, when offsite (NRC, State) representatives arrive, when Emergency Director arrives, etc.)
  - summarize discussions between Emergency Director and offsite agencies (NRC, State, County, etc.)
  - summarize discussions between Emergency Director and other EOF staff (i.e., EOF Manager, Rad Support Coordinator, Emergency Director Aide, Technical Liaison and Public Information Officer).

**POSITION 53****CLERK****"EOF Clerk"**

1. Upon arriving at the EOF, collect all Parts I, II and/or III of EAP-1.1 telecopies received from the TSC on telecopier "A". Make a sufficient number of copies and distribute throughout the EOF. Log time and form numbers in "Incoming Logbook." Perform other duties as assigned.
2. Upon EOF becoming operational, the EOF Manager will provide completed copies of Parts I, II and III forms of EAP-1.1 on a minimum half hour basis. These forms should be telecopied to the State and County via telecopiers "B".
3. In addition, copies of completed Parts I, II and III forms of EAP-1.1 should be telecopied to the JNC and TSC via telecopier "C".
4. An individual will be assigned responsibility for making additional copies of completed Parts I, II and III forms of EAP-1.1 and distribute them throughout the EOF.
5. Telecopier "A" shall also be used to receive press releases from the JNC. The press releases should be forwarded to the public information liaison.
6. Upon completion of transmitting telecopies, a transmission report will be produced and should be attached to the form and filed for a log of outgoing telecopies.
7. Telecopier "C" shall also assist in forwarding any other information to JNC and TSC as needed.

**POSITION 54****COMPUTER OPERATORS EOF**

1. Troubleshoot all inoperable computer equipment as needed.
2. Contact TSC computer operator for any appraisal of systems status.

**POSITION 55****COMMUNICATOR (EOF)****"Status Board Communicators"**

1. Obtain completed sequence of events status sheets from the Technical Liaison and post.
2. Update the following status boards whenever a new Part I and/or III form of EAP-1.1 is generated:
  - Vessel Level/Pressure Graph (from Part III)
  - Plant Parameter Trends (from Part III)
  - Effluent Monitor Trends (from Part III)
  - FitzPatrick Protective Action Recommendations (from Part I)

**EOF RECS Communicator**

1. Upon arrival at the EOF, ensure RECS line is operational by monitoring communications.
2. Review past Part I forms generated from Control Room and/or TSC.
3. Relay information from completed Part I forms as directed in procedure EAP-1.1.

**NOTE:** It is necessary to ensure the first EOF Part I transmission occurs within 30 minutes of the last TSC Part I transmission.

**POSITION 56****OSWEGO COUNTY LIAISON**

1. Report to the EOF and request initial briefing regarding plant conditions.
2. Report to Oswego County EOC and:
  - a. assist Oswego County personnel in the interpretation of plant data that has been transmitted to the County.
  - b. assist Oswego County personnel in reconciling any apparent discrepancies in data.

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**POSITION 57**  
**PURCHASING/ACCOUNTING**

1. Access computer systems as necessary.
2. Obtain necessary authorizations and provide for procurement of supplies, materials and/or services as needed.

**POSITION 58**  
**TECHNICAL LIAISON**

1. Upon arrival at the EOF, establish continuous communications over CR-TSC-OSC-EOF hotline.
2. To establish an historical sequence of events it will be necessary to log all significant plant events as obtained over the dedicated hotline on tear-off sheets for posting.

**NOTE:** It is this method of logging sequence of events that ensures consistency of displayed information throughout the emergency facilities.

3. Access plant computer information on the EPIC terminal, or by logging on to the WYSE terminal 708 system. Use procedure EAP-26, Plant Data Acquisition System Access, for reference.
4. Complete, when directed by the EOF Manager, a New York State Plant Parameter Part III form using EPIC, the dedicated hotline and 708 system for data input.

**NOTE:** At a minimum, these forms shall be completed on a half hour basis and/or significant plant event. These forms may be computer generated on EPIC or on the 708 system.

**POSITION 59****EOF SECURITY COORDINATOR****"Offsite Security Coordinator"**

1. Assure Security Guard(s) (or designee) is located at lobby desk.
2. Check to ensure all outside entrances are locked with the exception of the main entrance on the west side and north exit door leading to the JNC.

**NOTE:** EOF Manager has the master key to these outside entrances.

3. Activate Security Alarm Control Panel as required to ensure security of the facility.
4. Assure Security Guard at front desk fulfills responsibilities outlined in Section 4.3 of EAP-37.
5. Assure radio at front desk is turned up to monitor JAF Security communications. Make sure time on radio is correct.

**Supplies and Equipment Available**

<u>Item</u>	<u>Location</u>
EOF Master Key	EOF Manager
Registration Packet	Security Office Cabinet
Badging Supplies	Security Office Cabinet
Sign Lettering	Security Office Cabinet
Phone ext. 5715	Office Desk

6. Ensure emergency classification sign and barrier stanchions are established at main entrance to instruct arriving personnel.
7. Instruct Security Guard(s) to direct all personnel through the portal monitor in the Decon Room if there has been a release or if monitoring is deemed necessary by the Rad Support Coordinator.

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POSITION 60

## RAD SUPPORT COORDINATOR

## "EOF Rad Support Coordinator"

1. Ensure personnel, equipment and communications are available for performance of dose assessment activities.
2. If any problems are encountered with dose assessment computer equipment, contact the EOF computer operator or the TSC computer operator.
3. Provide EOF Manager with dose assessment information needed to complete Part I and Part II forms of EAP-1.1 on a minimum half hour basis and/or significant plant changes.
4. If there has been a release, ensure personnel arriving at EOF are monitored for contamination.
5. Ensure personnel departing the EOF and entering the 10 mile Emergency Planning Zone are assigned dosimetry.
6. Ensure field teams are briefed and are continually updated regarding plant information after dispatching.
7. Act as liaison with the Emergency Director for providing offsite agencies with an understanding of dose assessment calculations and protective action recommendations.
8. Ensure procedures are properly utilized and forms used.
9. Ensure set-up and operability checks are made to equipment and that a proper turnover is conducted.
10. Ensure status boards are updated.
11. Remind personnel to resolve discrepancies between measured and projected doses, if necessary.
12. Ensure that personnel obtain meteorological information/forecasts using EAP-42.

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POSITION 62

## DOSE ASSESSMENT COORDINATOR

**"EOF Dose Assessment Coordinator"**

1. Ensure all dose assessment equipment is operational upon arriving at EOF.
2. Establish communications with TSC Rad Engineers to discuss eventual transfer of dose assessment function.
3. Upon EOF being declared operational, the dose assessment function shall be transferred to the EOF.
4. Verify EDAMS output data with the TSC, if applicable.
5. Using EDAMS, provide data to Rad Support Coordinator for completion of Part I and II forms of EAP-1.1 on a minimum half hour basis and/or significant change.
6. Modify model input as actual data becomes available, such as:
  - effluent monitor readings
  - effluent stream/PASS sample results from TSC
  - field team results
7. Compare field data with model results and inform Rad Support Coordinator of differences.
8. Operate EDAMS as required.



**POSITION 63****RAD DATA COORDINATOR****"EOF Rad Data Coordinator"**

1. Ensure all equipment is operational (i.e. radios, phones, 708 data terminal, etc.).
2. Review past and present locations and data of any teams dispatched from the plant.
3. Provide routing for dispatching EOF field teams and assume control for routing of field teams depending upon meteorological conditions.
4. Interface with radio operator to continually update field teams regarding plant information and meteorological conditions.
5. Collect field data.
6. Interface with Rad Engineer to obtain environmental samples.
7. Brief and dispatch EOF field teams in accordance with procedures, as needed.

**POSITION 64****RAD ENGINEER****EOF Radiological Engineer**

1. Ensure EOF field teams are briefed and dispatched in accordance with procedures.
2. Review plant effluent monitor data on EPIC and/or 708 system and inform Rad Support Coordinator and Dose Assessment Coordinator of status.
3. Coordinate source term estimates with TSC Rad Engineers using EAP-4.1.
4. Coordinate the location and type of environmental sampling that is needed.
5. Interface with Rad Data Coordinator to obtain environmental samples.
6. Compare field data with model results and inform Rad Support Coordinator of differences.
7. Operate EDAMS as required.

**POSITION 65  
RAD SUPPORT CLERK**

1. Assist Dose Assessment Coordinator as directed.
2. Update status boards as directed.

**POSITION 66  
RADIO OPERATOR  
"EOF Dispatcher"**

1. Ensure all equipment is operational.
2. Monitor and log locations of any team already dispatched from the TSC.
3. Interface with Rad Data Coordinator to continually update and move field teams.
4. Keep Rad Data Coordinator informed of locations and data collected by field teams.
5. Periodically brief teams regarding plant conditions and significant events.

**POSITION 68  
PUBLIC INFORMATION TECHNICAL ASSISTANT  
"Public Information Technical Assistant"**

- 1 Promptly relay current information from the EOF/TSC to the JNC.
- 2 Respond to questions from the JNC on various aspects of the incident (such as plant status, accident management or dose assessment).
- 3 Ensure all offsite agency news releases are telecopied from the JNC for Emergency Director review and subsequent posting.
- 4 Securing review of news releases by the Emergency Director to assure technical accuracy.
- 5 Relay verified information to Joint News Center.
- 6 Post all JAF news release on EOF status board after issuance from JNC.
- 7 Provide interpretation of technical information to the public information officer.
- 8 Review plant data using computer.

Also complete the following:

1. Assist in facility set-up.

**POSITION 68**

**PUBLIC INFORMATION TECHNICAL ASSISTANT**

**"Public Information Technical Assistant"**

**"Continued"**

2. Review plant status logs and information to update Joint News Center on emergency status.
3. Draft news releases or review JNC drafts prior to getting Emergency Director's approval.
4. Telecopy approved news releases to JNC.)
5. Maintain communication with JNC.

**POSITION 70  
TECHNICAL BRIEFER**

The position of Technical Briefer will be responsible for providing more detailed technical information to news media in order to supplement the functions of Entergy's spokesperson. Together, the responsibilities of the Technical Briefer will include:

1. Assuring technical accuracy of information received at the JNC and used by the Entergy Nuclear Northeast spokesperson or other personnel.
2. Providing technically accurate information on the incident and plant operations to the news media.
3. Assist in the preparation of news releases to ensure technical accuracy.

**POSITION 71  
JNC DIRECTOR**

The position of JNC Director will be filled by the plant Manager of Communications or his designee when circumstances warrant establishment of the position. Upon direction by the Director, Public Information, he will supervise and direct those operations of the JNC which are involved with the flow of information from the plant to the staff at the JNC. The responsibilities of the JNC Director include:

1. Supervising the preparation of statements and news releases and distribution to the press and to public officials.
2. Maintaining communications between the JNC and other emergency facilities and assuring the appropriate flow of information.
3. Maintaining communications and coordinating the activities between the JNC and ENN Office.
4. Coordinating information and briefings with federal, state and local emergency preparedness groups and others located at the JNC.
5. Supervising the activities of the JNC Administrative Manager who will be directly responsible for all administrative functions not involved in the immediate flow of information from the plant to the news media at the JNC.
6. Coordinating information with Technical Consultants at the JNC.
7. Coordinating the Inquiry Response and Rumor Control Programs with the respective team leaders.

**POSITION 72**  
**COMMUNICATIONS/WRITERS**

The position of the writer will be filled by an Information Specialist or another individual designated by the JNC Spokesperson. The primary responsibility of the writer is to draft news releases based on information received at the JNC.

**POSITION 73**  
**INQUIRY RESPONSE & RUMOR CONTROL**

1. The Media Inquiry Response Team will include members of the Public Affairs staff designated from Entergy Nuclear Northeast in coordination with the state and county. Functions will include responding to inquiries from the media, providing accurate responses or referring inquiries as required. A team leader will be appointed by the JNC Director and state spokesperson to coordinate Media Inquiry Response activities.

Each team member will be supplied with the information and materials need to handle inquiries. Team members will read the prepared statements and give the standard answers provided. They will be authorized to give facts about Entergy Nuclear Northeast and plant which are in their data and fact sheet news releases and annual report if requested. In addition, times and locations of press conferences and briefings, as well as names and telephone numbers of appropriate contacts in other agencies, may be supplied to the media. The responsibilities of the Media Inquiry Response team will include:

- a. Logging all contacts including time of inquiry, identity, affiliation and telephone number of the caller, and nature of the inquiry and response.
- b. Providing standard response when appropriate.
- c. Referring inquiries requiring further elaboration or special response to the appropriate source.
- d. Returning phone calls as soon as feasible with consideration given to deadlines of individual media.

## POSITION 73

## INQUIRY RESPONSE &amp; RUMOR CONTROL

(continued)

2. The Rumor Control team will identify and correct inaccurate or misleading information. This will be accomplished by monitoring news broadcasts on radio and television, reviewing newspapers, and through telephone lines which can be used to provide answers to questions or confirm information. Off-air monitoring and Rumor Control telephone equipment is installed at the JNC.
3. The Rumor Control team will include individuals assigned by the JNC Director from Entergy's Public Affairs staff. State and county representatives, as well as Nine Mile Point staff, may also be assigned to the team. A team leader will be appointed by the JNC Director or alternate in coordination with the New York State spokesperson.
4. The responsibilities of the Rumor Control team will include:
  - a. Monitoring radio and television broadcasts and newspapers to identify incorrect, inaccurate or misleading information.
  - b. Bringing such information to the attention of the JNC Director for correction.
  - c. Producing taped messages for use on the Rumor Control telephone lines.
  - d. Logging and responding to inquiries from emergency workers or the general public.
  - e. Bringing significant information learned from inquiries (such as recurrent misinformation or trends which are identified) to the attention of the JNC Director.

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**POSITION 74**  
**ADMINISTRATIVE MANAGER**

The position of Administrative Manager will direct all activities and functions at the JNC not directly involved with the flow of information from the plant to the news media. The responsibilities of the Administrative Manager or alternate will include:

1. Supervising administrative functions such as:
  - a. Registration (media, visitors, and participants).
  - b. Clerical services.
  - c. Security.
  - d. Setup and maintenance of JNC facilities.
  - e. Distribution/stocking of news releases.
2. Supervising videotape and photo services, including off-air monitoring.
3. Coordinating auxiliary services such as flights, lodging and food services.

**POSITION 76**  
**CLERICAL**

Clerical support personnel assigned to the JNC will perform the following functions as assigned by the Administrative Manager:

1. Typing/word processing for news release activities.
2. Photocopy/telecopy support for JNC staff.
3. Distribution of news releases/supporting materials.
4. Registration

Registration personnel will perform the following functions as directed by the Administrative Manager.

- a. Verifying proper identification of all staff, media, and visitors entering the JNC.
- b. Registering all personnel entering the JNC.
- c. Issuing proper color coded identification badges to all individuals.

**POSITION 77  
SECURITY**

JNC Security positions will be filled by FitzPatrick Plant Security Officers assigned by the TSC Security Coordinator. Responsibilities will include:

1. Limiting JNC admission to properly registered reporters, visitors, observers and participants.
2. Controlling access to restricted work areas of the JNC.

**POSITION 78  
VIDEO/PHOTO SERVICES**

At the JNC, photographic and video services will be provided by Entergy photographers with assistance from Entergy Nuclear Northeast Public Affairs personnel and Constellation photographic and video services personnel. Responsibilities will include:

1. Videotape recording or photography of all new briefings at the JNC to provide a permanent record.
2. Providing duplication and playback capability for videotapes of earlier briefings.
3. Assisting off-air monitoring of radio and television news broadcasts and bulletins concerning the emergency.

**POSITION 81  
RAD ENGINEER SUPPORT**

1. Assist in facility activation.
2. Assist Rad Engineer as directed.
3. Assist Rad Engineer in performing the following:
  - a. release rate calculations.
  - b. dose calculations.
  - c. PAR determination.



**POSITION 82**

**NEW YORK STATE LIAISON**

1. Report to the New York State Emergency Operations Center (NYS EOC) and contact the JAF EOF/TSC for conditions briefing.
2. Assist NYS personnel in the interpretation of plant data.
3. Assist NYS personnel in reconciling any apparent discrepancies in plant data.

**POSITION 83**

**PARAMETER ASSESSMENT ADVISOR**

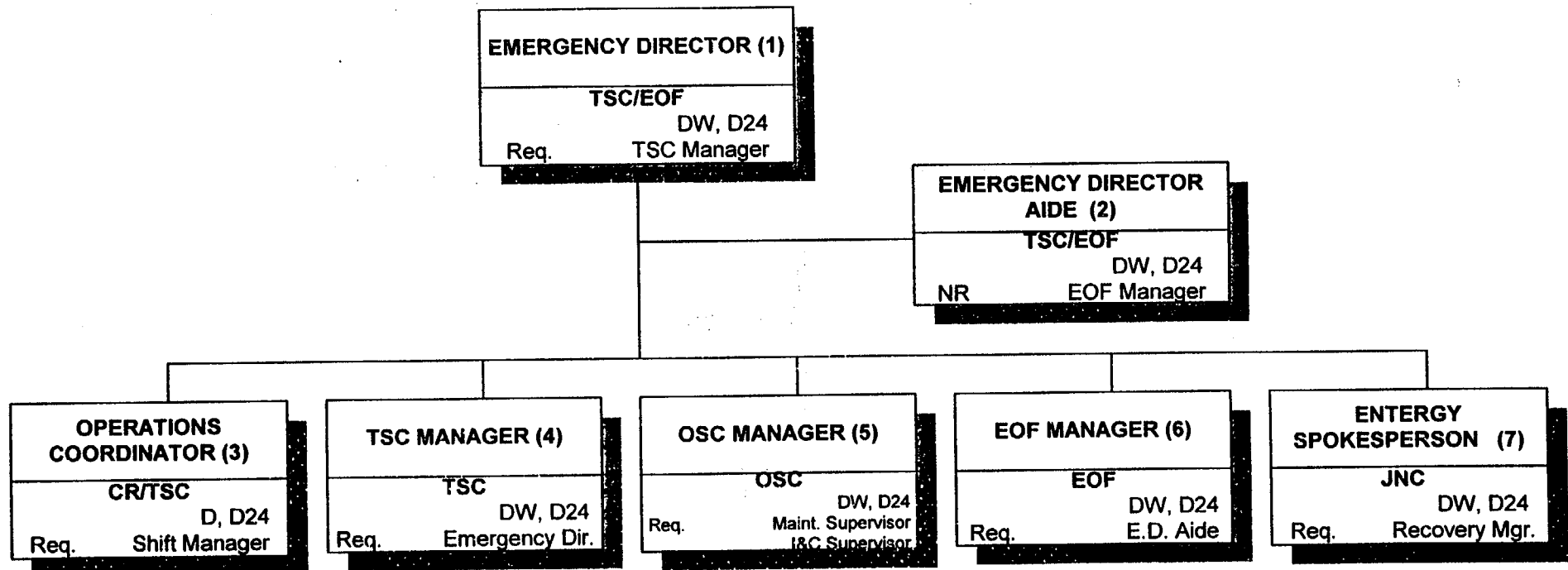
1. Determine EPIC and instrument availability
2. Obtain and trend parameter data.
3. Forecast parameter data.

**POSITION 84**

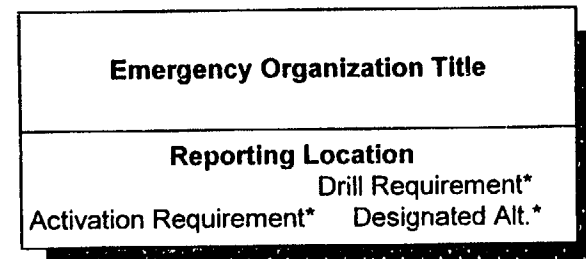
**SYSTEM ASSESSMENT ADVISOR**

1. Conduct system assessments.
2. Determine RPV flow assistance and RPV breach signature.
3. Assist with forecasting parameter trends.

# EMERGENCY AUGMENTED FACILITY LEADS

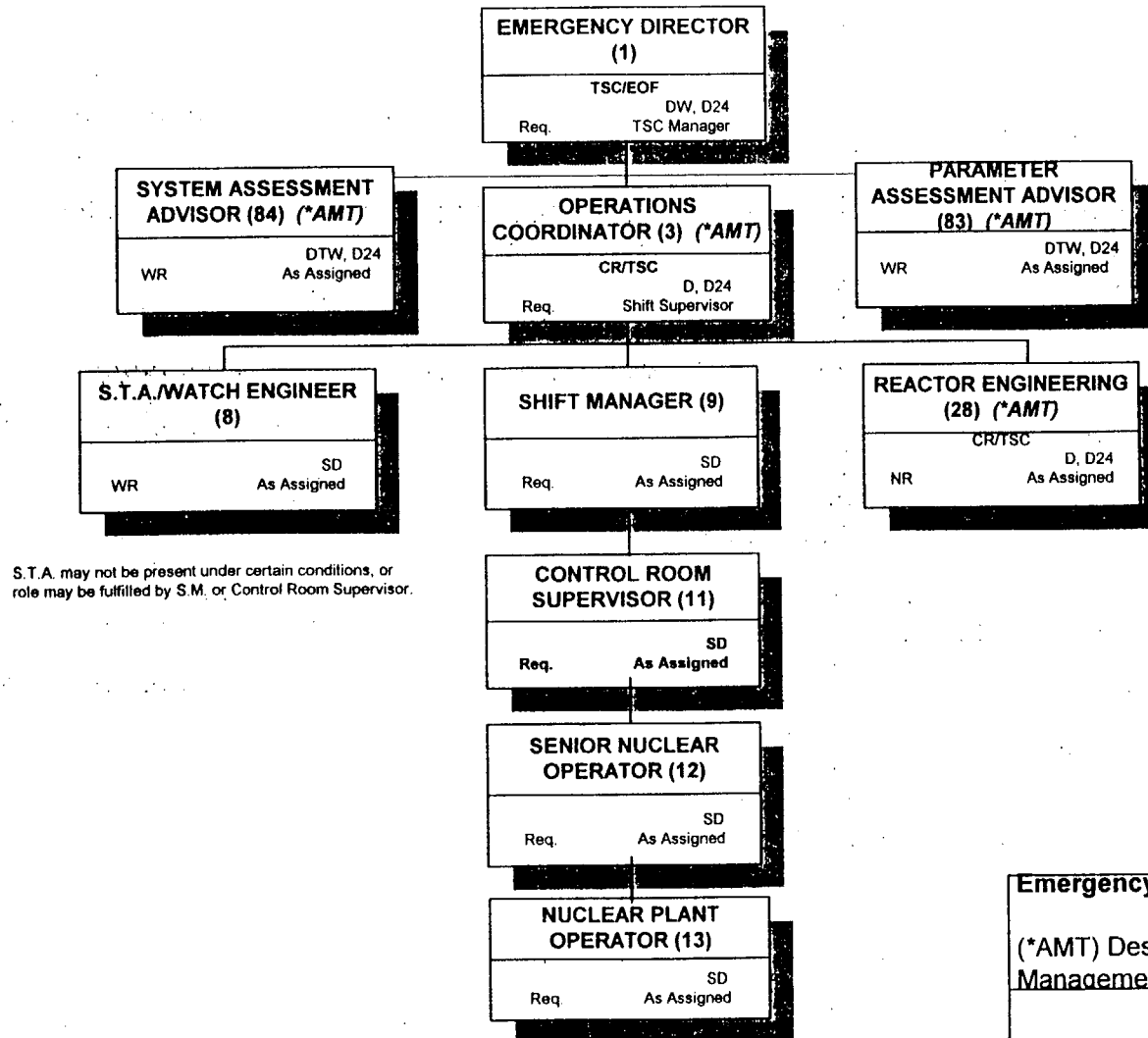


## LEGEND



\*Explanation found in SAP-20

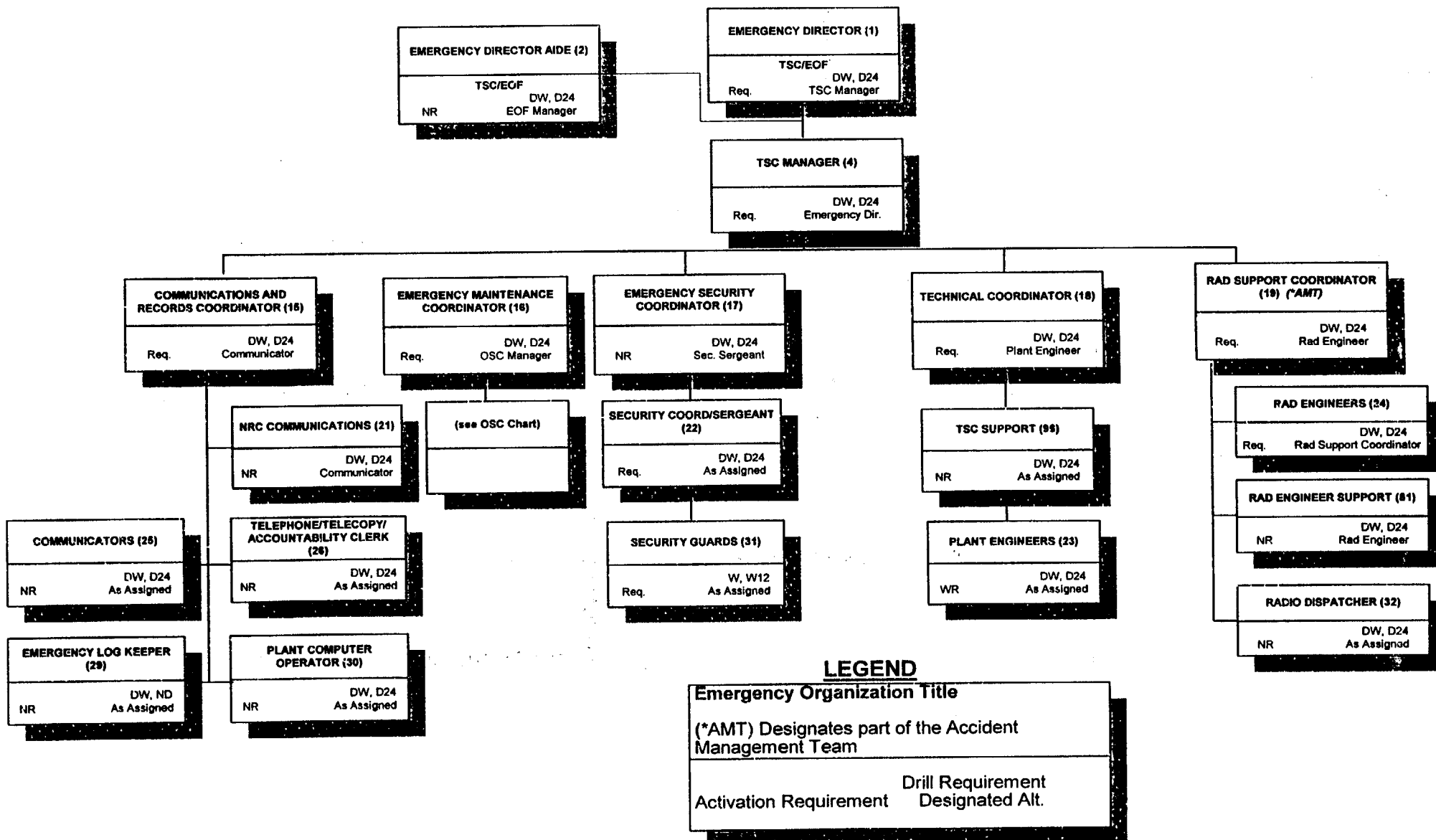
# CR Emergency Augmented Staff



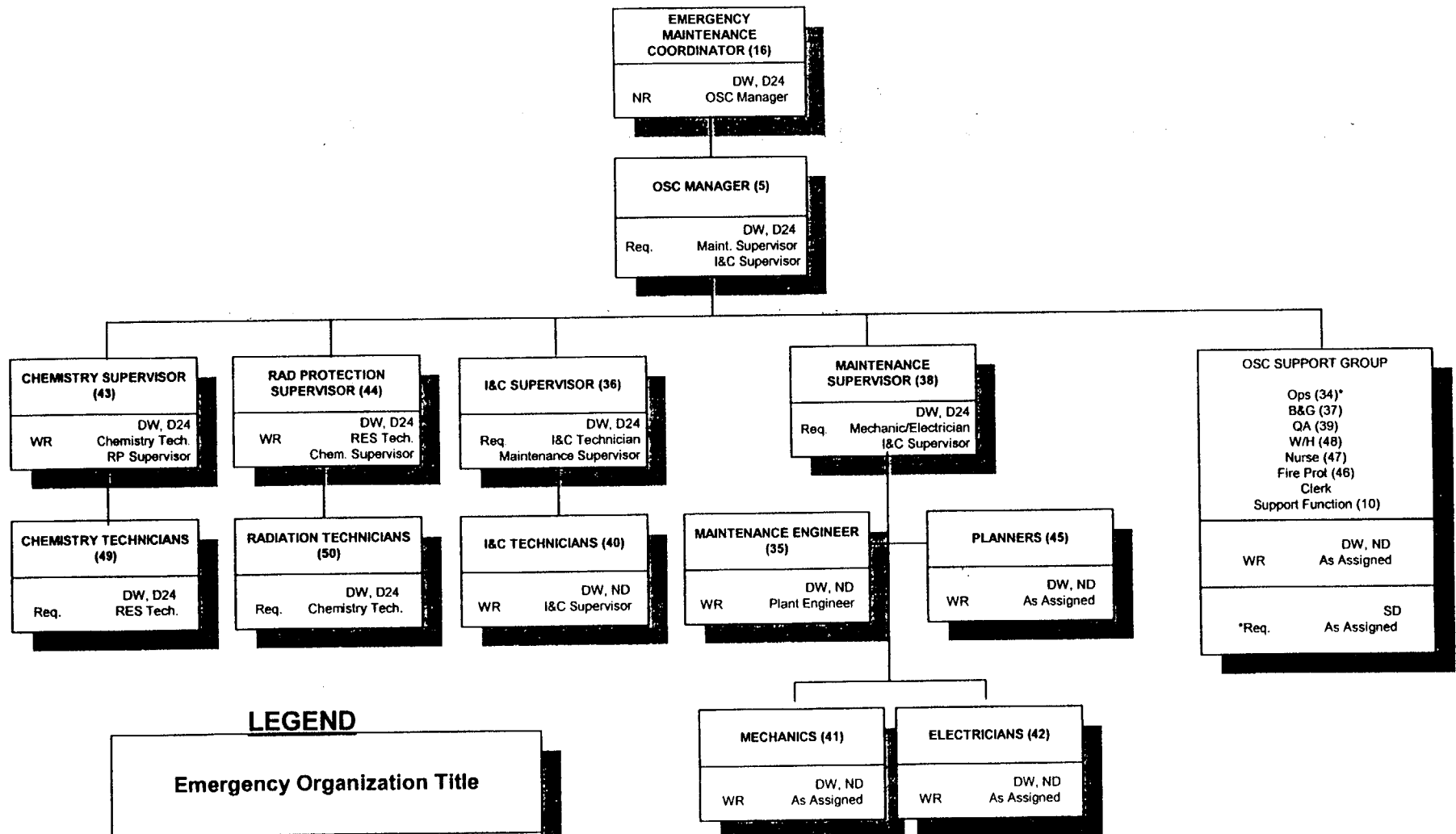
## LEGEND

Emergency Organization Title	
(*AMT) Designates part of the Accident Management Team	
Drill Requirement	Designated Alt.
Activation Requirement	

# TSC Emergency Augmented Staff



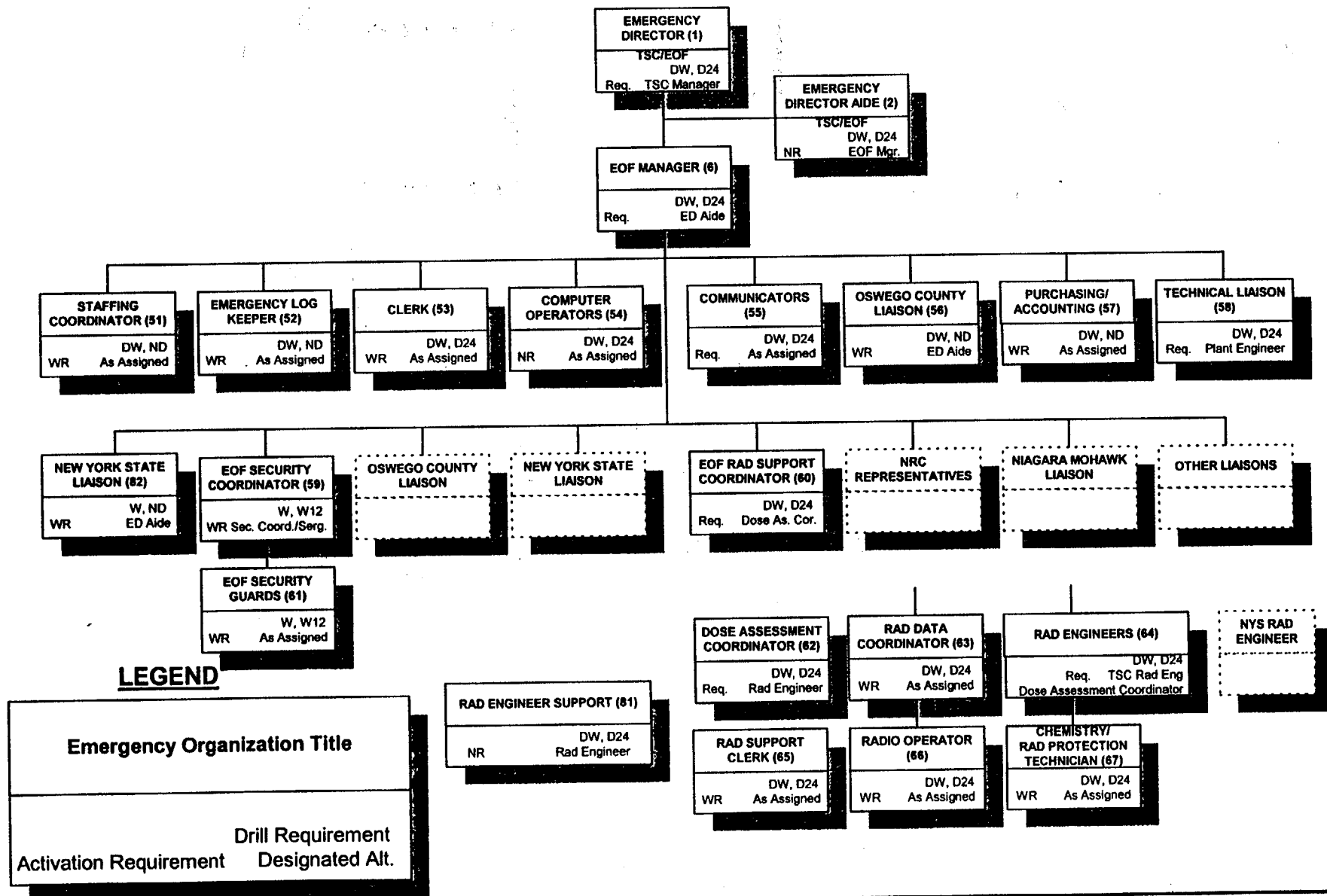
# OSC Emergency Augmented Staff



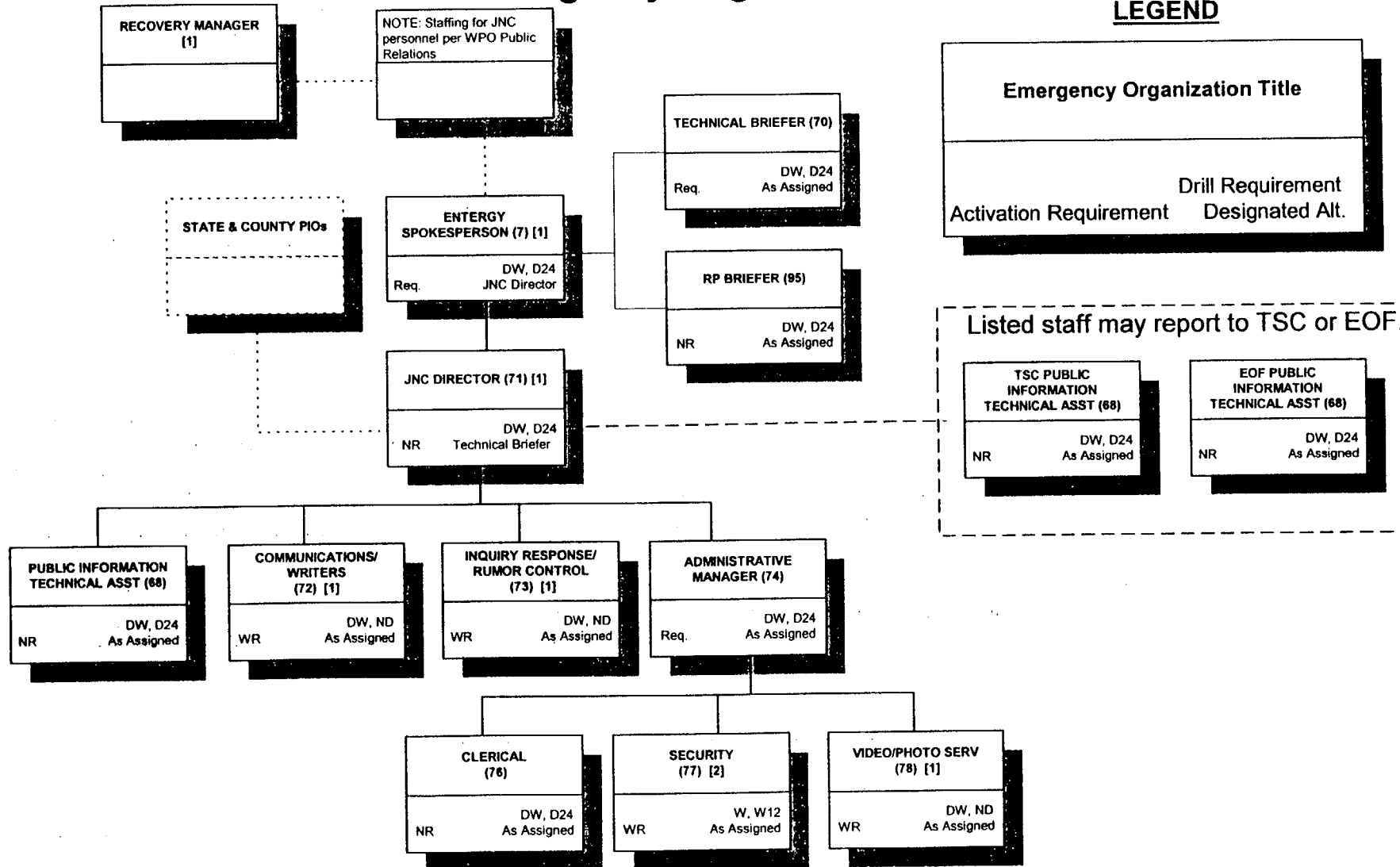
## LEGEND

Emergency Organization Title	
Activation Requirement	Drill Requirement Designated Alt.

# EOF Emergency Augmented Staff



# JNC Emergency Augmented Staff



- [ 1 ] Indicates staff from WPO, other projects or agencies
- [ 2 ] Displatched from JAFNPP, as requested

Drills and Walk-Thrus

DW, D24 = Drill and walk-thru before functioning in position, drill at least once every 24 months thereafter.

D, D24 = Drill before functioning in position; drill at least every 24 months thereafter.

DW, ND = Drill and walk-thru before functioning in position; no periodic drill requirement.

W, W12 = Walk-thru before functioning in position, walk-thru at least every 12 months thereafter.

SD = Simulator drills for initial and requalification.

DTW, DT24 = Drill or tabletop and walk-thru before functioning in position, drill or tabletop at least every 24 months.

Reporting Locations

CR = Control Room

TSC = Technical Support Center

OSC = Operational Support Center

EOF = Emergency Operations Facility

JNC = Joint News Center

TRNG = Training Building at JAF

SEC = Security Post at JAF

Activation Requirements

Req = Required for facility to be staffed

WR = As needed by facility manager only

NR = Not required but preferred for facility to be declared staffed

**NOTE** (1): SAM training may include tabletop drills as training at a frequency to be determined by the EPC.

(2): Operations Coordinators may attend either Emergency Director/Coordinator or SNO/STA training.

(3): Successful completion of Emergency Director/Coordinator training satisfies SNO/STA training.

(4): Additional Walkthrough of Control Room for SAM Team members.

(5): For NRC licensed personnel filling dual roles as Operations Coordinators and ED/TSC Manager Alternates, attendance at SNO/STA training satisfies the annual training requirement, with additional training being obtained through participation in drills/exercises in the ED role.



ERO TRAINING APPLICABILITIES

Page 1 of 7

POSITIONS	ESSP ERS	EMER (3, 5) DIR/CO ORD	SNO /ST A (5)	E- COMM	NPO	RAD ASSES	EDAMS	RC&S	EVAC &ACCT	ER&CA	JNC	TSC <sup>(4)</sup> WKTH	OSC WKTH	EOF WKTH	JNC WKTH	SIML WKTH	SAM (1)	Recov. Procds	RADIO OPER	RESP
<b>CONTROL ROOM</b>																				
CONTROL ROOM SUPERVISOR	XX		XX																	XX SCBA
SENIOR NUCLEAR OPERATOR	XX		XX														XX			XX SCBA
NUCLEAR PLANT OPERATOR	XX				XX											XX				XX SCBA
OPS COORD <sup>(2)</sup>	XX	XX	XX														XX			
REACTOR ENG	XX																XX			
SHIFT MGR.	XX		XX														XX			XX SCBA
PARAMETER ASSESSMENT ADVISOR	XX											XX					XX			
SYSTEM ASSESSMENT ADVISOR	XX											XX					XX			
SHIFT TECH ADVISOR	XX		XX														XX			XX SCBA
WASTE MANAGEMENT	XX																			
<b>EMERGENCY OPERATIONS FACILITY (EOF)</b>																				
CHEM/RP TECH	XX							XX								XX				
CLERK	XX														XX					
COMMUNICATOR	XX			XX											XX					
COMPUTER OPERATOR	XX														XX					
DOSE ASSESS COORD	XX					XX	XX								XX					
EMERGENCY LOG KEEPER	XX														XX					
EOF MANAGER	XX	XX													XX					

POSITIONS	ESSR	EMER 12, 11	SNO DIR/CO	A (1)	E+ COMM	NPO	RAD ASSES	EDAMS	RC&S	EVAE	ER&CA	JNC	TSC (4)	OSC	EOF	JNC	SIML	SAN	REC'D	RADIO	RES
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EMERGENCY OPERATIONS FACILITY (EOF) (Cont)

EOF SEC	XX									XX					XX						
COORDINATOR															XX						
NY STATE	XX														XX						
LIAISON	XX														XX						
OSWEGO CO	XX														XX						
PURCHASING/ACC	XX														XX						
OUNT																					
RAD DATA	XX														XX						
COORDINATOR															XX						
RAD ENGINEER	XX														XX						
RAD ENG. SUPPORT	XX														XX						
RAD SUPPORT	XX														XX						
CLERK																					
RAD SUPPORT	XX														XX						
COORDINATOR	XX														XX						
RADIO OPER	XX														XX					XX	
STAFFING	XX														XX						
COORDINATOR															XX						
TECHNICAL	XX														XX						
LIAISON																					
EOF PUBLIC	XX														XX						
INFO TECH ASST																					

JAF SITE

ACTY SUPV -	XX																				
TRNG BLDG																					
SEC. COORD	XX																			XX	SCBA
NUC SEC GUARD	XX																			XX	SCBA

EMERGENCY PLAN ASSIGNMENTS\*

ERO TRAINING APPLICABILITIES

POSITIONS	ERS ESSP	EMER (S, S) DIR/CO ORD	SNO A /ST (S)	E- COMM	NPO	RAD ASSES	EDAMS	RC&S	EVAC EACCT	ERCA	JNC	TSC <sup>(1)</sup> WKTH	OSC WKTH	EOF WKTH	JNC WKTH	SIML WKTH	SM (1) Procda	RADIO OPER	RES
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JOINT NEWS CENTER (JNC)

ADMIN MANAGER	XX										XX					XX			
CLERICAL	XX										XX					XX			
INQUIRY RESPONSE/ RUMOR CONTROL	XX										XX					XX			
JAF SPOKESPERSON/ JNC DIRECTOR	XX										XX					XX			
RP BRIEFER	XX										XX					XX			
TECHNICAL BRIEFER	XX										XX					XX			
PUBLIC INFO TECHNICAL ASST	XX										XX					XX			
VIDEO/PHOTO SERVICES	XX										XX					XX			

OPERATIONAL SUPPORT CENTER (OSC)

B&G - TRADES	XX										XX								XX
CHEMISTRY - SUPV	XX										XX								
CHEMISTRY - TECHNICIAN	XX										XX					XX			XX
CLERK	XX										XX								
ELECTRICIAN	XX										XX								XX
FIRE PROT SUPERVISOR	XX										XX								XX

POSITIONS	ESSE	DIR/CO	ORD	SN	ST	E-	COMM	NPO	RAD	ASSES	EDAMS	RC&S	EVA	ER&CA	JNC	TSC (1)	OSC	EOF	JNC	SIML	SN	Recov	RADIO	RES
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OPERATIONAL SUPPORT CENTER (OSC) (Cont)																								
I&C - TECH	XX													XX			XX							XX
I&C SUPERVISOR	XX													XX			XX							
I&C - TOOL	XX																XX							
ROOM ATTN.																								
IN-PLANT	XX											XX					XX							
DISPATCHER																								
MAINTENANCE	XX													XX			XX							
ENGINEER																								
MAINT SUPV	XX													XX			XX							
ELECT/MECH																								
MAINT TOOL	XX																XX							
ROOM ATTN.																								
MECHANIC	XX													XX			XX							XX
NURSE	XX																XX							
OSC MANAGER	XX													XX			XX							
PLANNER	XX													XX			XX							
O.C.	XX																XX							
SUPERVISOR																								
RAD PROT	XX																XX							
RAD PROT	XX																XX							
TECHNICIAN	XX													XX			XX			XX			XX	XX
WAREHOUSE	XX																XX							
WAREHOUSE	XX																XX							
SUPERVISOR	XX																XX							
OSC SUPPORT	XX																XX							

EMERGENCY PLAN ASSIGNMENTS\*

POSITIONS	ESSP ERS	EMER (3, 5) DIR/CO ORD	SNO/ STA (5)	E- COMM	NPO	RAD ASSES	EDAMS	RC&S	EVAC &ACCT	ER&CA	JNC	TSC <sup>(4)</sup> WKTH	OSC WKTH	EOF WKTH	JNC WKTH	SIML WKTH	SAM (1)	Recov. Prooda	RADIO OPER	ASSE
<b>RECOVERY ORGANIZATION</b>																				
RECOVERY MANAGER																		XX		
RECOVERY SUPPORT GROUP MGR																		XX		
<b>TECHNICAL SUPPORT CENTER (TSC)</b>																				
COMMUNICATOR/ RECORDS COOR	XX			XX								XX								
COMMUNICATOR	XX			XX								XX								
COMPUTER OPERATOR	XX											XX								
EMERG DIR. AIDE	XX	XX										XX		XX						
EMERGENCY DIR/TSC MGR ALT	XX	XX										XX		XX						
EMERGENCY LOG KEEPER	XX											XX								
EMERGENCY MAINTENANCE COORD	XX									XX		XX								
NRC COMMUNICATOR	XX			XX								XX								
PLANT ENGINEER/ ELEC/MECH	XX											XX								

POSITIONS	ESSP MRS	EMER (3, 5) DIR/CO ORD	SNO/ STA (5)	E- COMM	NPO	RAD ASSES	EDAMS	RC&S	EVAC &ACCT	ER&CA	JNC	TSC <sup>(4)</sup> WKTH	OSC WKTH	EOF WKTH	JNC WKTH	SIML WKTH	SAM (4)	Recov Procds	RADIO OPER	RESP
TECHNICAL SUPPORT CENTER (TSC) (Cont)																				
PLANT ENGINEER - PROCUREMENT	XX											XX								
TSC PUBLIC INFORMATION TECHNICAL ASSTISTANT	XX										XX	XX								
RAD ENGINEER	XX					XX	XX					XX								
RAD ENGINEER SUPPORT	XX					XX						XX								
RAD SUPPORT COORD	XX					XX	XX					XX					XX			
RADIO DISPATCHER	XX							XX				XX								
EMERGENCY SEC. COORD	XX								XX			XX								
TECHNICAL COORDINATOR	XX	XX										XX								
TELEPHONE/ TELECOPY/ ACCOUNT	XX											XX								
TSC MGR/EMERGENCY DIR ALT.	XX	XX										XX								
TSC MANAGER AIDE	XX	XX										XX								
TSC SUPPORT	XX											XX								

**ABBREVIATIONS & ACRONYM TABLE**

ESS PERS	ESSENTIAL PERSONNEL TRAINING
EMER DIR/COORD	EMERGENCY DIRECTOR & COORDINATOR TRAINING
SNO/STA	SENIOR NUCLEAR OPERATOR (LICENSED OPERATOR) & SHIFT TECHNICAL ADVISOR TRAINING
E-COMM	EMERGENCY COMMUNICATIONS TRAINING
NPO	NUCLEAR PLANT OPERATOR (NON-LICENSED OPERATOR TRAINING)
RAD ASSES	RADIOLOGICAL ASSESSMENT PERSONNEL TRAINING
EDAMS	EDAMS COMPUTER APPLICATION
RC&S	RADIOLOGICAL CONTROLS AND SURVEYS TRAINING
EVAC & ACCT	EMERGENCY ACCESS CONTROL, EVACUATION AND ACCOUNTABILITY TRAINING
ER&CA	EMERGENCY REPAIR & CORRECTIVE ACTIONS TRAINING
JNC	JOINT NEWS CENTER TRAINING
TSC WLKTH	TECHNICAL SUPPORT CENTER WALKTHROUGH
OSC WLKTH	OPERATIONAL SUPPORT CENTER WALKTHROUGH
EOF WLKTH	EMERGENCY OPERATIONS CENTER WALKTHROUGH
JNC WLKTH	JOINT NEWS CENTER WALKTHROUGH
SIML WLKTH	SIMULATOR WALKTHROUGH
SAM	SEVERE ACCIDENT MANAGEMENT
RESP	Respiratory Protection Qualified
SCBA	Self Contained Breathing Apparatus Qualified

- NOTE** (1): SAM training may include tabletop drills as training at a frequency to be determined by the EPC.
- (2): Operations Coordinators may attend either Emergency Director/Coordinator or SNO/STA training.
- (3): SUCCESSFUL COMPLETION OF EMERGENCY DIRECTOR/COORDINATOR TRAINING SATISFIES SNO/STA TRAINING.
- (4): Additional walkthrough of CONTROL ROOM for SAM Team Members.
- (5): For NRC licensed personnel filling dual roles as Operations Coordinators and ED/TSC Manager Alternates, attendance at SNO/STA training satisfies the annual training requirement, with additional training being obtained through participation in drills/exercises in the ED role.