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**NEW YORK POWER AUTHORITY
 JAMES A. FITZPATRICK NUCLEAR POWER PLANT
 P.O. BOX 41
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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.

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VOLUME 1 Update List Dated N/A

DOCUMENT	PAGES	REV. #	INITIALS/DATE
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VOLUME 2 Update List Dated July 26, 2000

DOCUMENT	PAGES	REV. #	INITIALS/DATE
EAP-8	REPLACE ALL	48	
EAP-17	REPLACE ALL	90	

VOLUME 3 Update List Dated July 26, 2000

DOCUMENT	PAGES	REV. #	INITIALS/DATE
EAP-43	REPLACE ALL	49	
EAP-45	REPLACE ALL	6	

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**EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2
UPDATE LIST**

CONTROLLED COPY # 34

Date of Issue: July 26, 2000

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 19	02/98	N/A
IAP-1	EMERGENCY PLAN IMPLEMENTATION CHECKLIST	REV. 22	02/98	Continuous
IAP-2	CLASSIFICATION OF EMERGENCY CONDITIONS	REV. 20	12/98	Continuous
EAP-1.1	OFFSITE NOTIFICATIONS	REV. 42	04/99	Informational
EAP-2	PERSONNEL INJURY	REV. 23	07/00	Informational
EAP-3	FIRE	REV. 20	02/98	Informational
EAP-4	DOSE ASSESSMENT CALCULATIONS	REV. 29	12/98	Reference
EAP-4.1	RELEASE RATE DETERMINATION	REV. 10	12/98	Reference
EAP-5.1	DELETED (02/94)			
EAP-5.2	DELETED (04/91)			
EAP-5.3	ONSITE/OFFSITE DOWNWIND SURVEYS AND ENVIRONMENTAL MONITORING	REV. 7	07/00	Informational
EAP-6	IN-PLANT EMERGENCY SURVEY/ENTRY	REV. 15	02/98	Informational
EAP-7.1	DELETED (02/94)			
EAP-7.2	DELETED (02/94)			
EAP-8	PERSONNEL ACCOUNTABILITY	REV. 48	07/00	Reference
EAP-9	SEARCH AND RESCUE OPERATIONS	REV. 9	02/98	Informational
EAP-10	PROTECTED AREA EVACUATION	REV. 14	02/98	Informational
EAP-11	SITE EVACUATION	REV. 15	02/98	Informational
EAP-12	DOSE ESTIMATED FROM AN ACCIDENTAL RELEASE OF RADIOACTIVE MATERIAL TO LAKE ONTARIO	REV. 10	08/99	Reference
EAP-13	DAMAGE CONTROL	REV. 13	12/98	Informational
EAP-14.1	TECHNICAL SUPPORT CENTER ACTIVATION	REV. 20	12/98	Informational
EAP-14.2	EMERGENCY OPERATIONS FACILITY ACTIVATION	REV. 19	07/00	Informational
EAP-14.5	OPERATIONAL SUPPORT CENTER ACTIVATION AND OPERATION	REV. 14	03/00	Informational

**EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2
UPDATE LIST**

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Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
EAP-14.6	HABITABILITY OF THE EMERGENCY FACILITIES	REV. 14	10/98	Informational
EAP-15	EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL	REV. 10	02/00	Informational
EAP-16	PUBLIC INFORMATION PROCEDURE	REV. 6	02/98	Informational
EAP-17	EMERGENCY ORGANIZATION STAFFING	REV. 90	07/00	Informational
EAP-18	DELETED (12/93)			
EAP-19	EMERGENCY USE OF POTASSIUM IODINE (KI)	REV. 19	03/98	Informational
EAP-20	POST ACCIDENT SAMPLE, OFFSITE SHIPMENT AND ANALYSIS	REV. 8	02/98	Reference
EAP-21	DELETED (12/85)			
EAP-22	DELETED (02/98)			
EAP-23	EMERGENCY ACCESS CONTROL	REV. 10	02/98	Informational
EAP-24	EOF VEHICLE AND PERSONNEL DECONTAMINATION	REV. 8	02/98	Informational
EAP-25	DELETED (02/94)			

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE

PERSONNEL ACCOUNTABILITY*
EAP-8
REVISION 48

REVIEWED BY: PLANT OPERATING REVIEW COMMITTEE

MEETING NO. N/A

DATE: N/A

APPROVED BY:

[Signature]
RESPONSIBLE PROCEDURE OWNER

DATE: 7/25/00

EFFECTIVE DATE:

July 26, 2000

FIRST ISSUE

FULL REVISION

LIMITED REVISION

*****	*****
* INFORMATIONAL USE *	* TSR *
*****	*****
* ADMINISTRATIVE *	CONTROLLED COPY # <u>34</u>

PERIODIC REVIEW DUE DATE: JANUARY 2003

REVISION SUMMARY SHEET

REV. NO.

- 48 Quarterly update of Emergency Response Organization
- 47 Quarterly update of Emergency Response Organization
- 46 ● Quarterly update of Emergency Response Organization
- 45 ● Quarterly update of Emergency Response Organization
- 44 ● Quarterly update of Emergency Response Organization
- 43 ● Quarterly update of Emergency Response Organization
- 42 ● Quarterly update of Emergency Response Organization
- 41 ● Quarterly update of Emergency Response Organization
- 40 ● Quarterly update of Emergency Response Organization
- 39 ● Quarterly update of Emergency Response Organization
- 38 ● Quarterly update of Emergency Response Organization
- 37 ● Quarterly update of Emergency Response Organization.
- Combined Shift Coordinator and Accountability Supervisor positions to reflect plant staffing levels and provided the flexibility to assign accountability to other trained security personnel.
- Changed the TSC Security Coordinator designation to Emergency Security Coordinator to eliminate confusion.
- 36 ● Quarterly update of Emergency Response Organization.
- 35 ● Quarterly update of Emergency Response Organization.

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1.0 PURPOSE

This procedure provides the instructions necessary to account for plant personnel, visitors, and contractors.

2.0 REFERENCES**2.1 Performance References**

None

2.2 Developmental References

2.2.1 EAP-9, SEARCH AND RESCUE OPERATIONS*

2.2.2 EAP-10, PROTECTED AREA EVACUATION*

2.2.3 EAP-11, SITE EVACUATION*

3.0 INITIATING EVENTS

3.1.1 Site Area Emergency, or

3.1.2 General Emergency, or

3.1.3 Emergency Director's request, or

3.1.4 Completion of Protected Area Evacuation or Site Evacuation for personnel without emergency assignments.

4.0 PROCEDURE

4.1 A list of missing personnel shall be made available within 30 minutes via personnel accountability or other means as determined by the individual assigned to lead accountability. Personnel accountability shall be accomplished in two phases:

Phase 1 - The total number of personnel accounted for in the protected area are compared with the total number of persons indicated as being in the protected area.

Phase 2 - The names of missing persons unaccounted for in the protected area are compared to the names of persons indicated as being in the protected area.

- 4.2 The Emergency Director shall request the Security Shift Coordinator/Sergeant to initiate accountability.
- 4.3 The Security Shift Coordinator/Sergeant will enable the accountability readers in accordance with Security procedures and request (when those facilities are activated) the Communications and Records Coordinator to dispatch an accountability clerk to the Control Room, TSC and OSC to assist personnel in completing Attachment 3 and badging in the readers.
- 4.4 The Emergency Director shall request the Control Room to make the following announcement (twice):

ATTENTION. ATTENTION. ALL PERSONNEL IN THE PROTECTED AREA COMMENCE ACCOUNTABILITY USING BADGE READERS AND SIGN-IN SHEETS.

- 4.5 The Security Shift Coordinator/Sergeant, who may designate security personnel to lead the accountability process if required, shall use Attachment 1 or Attachment 2 to accomplish personnel accountability.
- 4.6 The individual assigned to lead accountability shall compile a list of persons onsite by name and security badge number using either the security computer or the badge-out rack cards (the card that remains in the badge rack after an active badge has been issued for site access).

NOTE: The security computer shall be the primary means of compiling the onsite personnel list. The badge-out rack cards shall be used as a secondary means in the event of a computer failure to verify personnel on site.

The onsite personnel list shall also include visitors to the site and shall note their escorts' names. Accountability for Security personnel may be accomplished by contacting them individually.

- 4.7 Phase 1 of accountability shall be accomplished in the following manner:

NOTE: Manual method will be used if a computer failure occurs.

- 4.7.1 The individual assigned to lead accountability shall activate the "Personnel Onsite Report" which will indicate who is onsite.

As personnel badge in the accountability readers, they will be deleted from the "Unaccounted Personnel Report." This report will reflect continually who has not badged in an accountability reader.

- 4.7.2 Accountability clerks shall be established in the Control Room, Technical Support Center and Operational Support Center and shall contact the Emergency Security Coordinator in the Technical Support Center at extension 6168.

- 4.7.3 These clerks shall provide the following information to the Emergency Security Coordinator:

A. Total number of persons assembled in that area obtained from Attachment 3.

B. A copy of Attachment 3. The originals shall continue to be used for continuous accountability.

C. Telefax of Attachment 3 forms to EOF Staffing Coordinator (to assist in long-term staffing assessment).

- 4.7.4 The individual assigned to lead accountability shall compare the total number of personnel accounted for on the Attachment 3 forms to the total number onsite from the security computer. These numbers and any discrepancies shall be reported to the Emergency Director. In addition, the individual assigned to lead accountability shall request the Security Shift Coordinator/Sergeant or designee prepare an "unaccounted for" log from the accountability system reader output.

- 4.7.5 Security personnel shall establish continuous accountability logs using Attachment 3 at the following locations:

A. 300 ft. elevation of Old Admin. Building near the Control Room entrance. This position shall

record personnel who exit or enter via the Fan Room or Turbine building doors.

- B. OSC control point near portal monitors. This position shall record personnel who exit or enter the RCA.
- C. Old Admin. Building foyer. This position shall record personnel who exit or enter via the foyer.

NOTES:

- 1. Personnel traveling between the TSC, OSC and Control Room are NOT required to sign in/out on Continuous Accountability Log Sheet, Attachment 3 after the completion of initial accountability.
 - 2. Entry and exit via doors with operable card readers do NOT require sign in on Attachment 3. In the event of a Security computer failure, entry and exit via carded doors that allow access to areas outside the Emergency Response Facilities (combined TSC, OSC and Control Room areas) shall require sign in on Attachment 3.
- 4.8 Phase 2 of accountability shall be accomplished in the following manner:
- 4.8.1 The individual assigned to lead accountability shall compare the security computer list of onsite persons against those in the Control Room, TSC and OSC and compile a list of unaccounted for individuals. (The manual method will utilize Attachment 3.)
 - 4.8.2 The individual assigned to lead accountability shall provide to the Emergency Security Coordinator a list of unaccounted badges and names from the readers which should match the list of unaccounted individuals.
- 4.9 The individual assigned to lead accountability shall verify that persons on the "Unaccounted Personnel Report" lists have not left the protected area by a check of the security

badges. The last known location of these persons shall be obtained from the security computer.

- 4.10 The individual assigned to lead accountability shall attempt to locate any persons unaccounted for by calling them on the plant page system. The page should be repeated every two minutes. If the unaccounted for personnel do not respond within 5 minutes, the following announcement shall be made twice over the P.A. system:

ATTENTION, ATTENTION: IF ANYONE KNOWS THE PRESENT LOCATION OF (name of missing individual), CALL SECURITY AT EXTENSION (specify).

- 4.11 The individual assigned to lead accountability shall contact the missing individuals' supervisors or co-workers for further information. If these attempts are unsuccessful, the names of the missing persons shall be forwarded to the Emergency Director who shall immediately initiate search and rescue activities in accordance with EAP-9, SEARCH AND RESCUE OPERATIONS*.

5.0 ATTACHMENTS

1. ACCOUNTABILITY CHECKLIST - MANUAL METHOD
2. ACCOUNTABILITY CHECKLIST - COMPUTER METHOD
3. ACCOUNTABILITY LOG

ACCOUNTABILITY CHECKLIST - MANUAL METHOD

Initials/Time

1. _____ / _____ Received notification from the Emergency Director to implement personnel accountability procedure.
2. _____ / _____ Compile list of persons onsite using either the badge-out rack cards or the security computer. Total number of persons onsite: _____.

PHASE 1

3. _____ / _____ Contact each of the primary assembly areas and obtain a head count:

<u>AREA</u>	<u>EXTENSIONS</u>	<u>PERSON CONTACTED</u>	<u>NUMBER OF PERSONS</u>
Control Room	6665	_____	_____
Technical Support Center	6168	_____	_____
Operational Support Center	6833/6837	_____	_____
Security Bldg	6413/6416	_____	_____

Total number of persons accounted for: _____

4. _____ / _____ Difference between total head count and persons onsite as indicated by security (step 3): _____.
5. _____ / _____ Report totals from step 2, 3, and 4 to the Emergency Director.

ACCOUNTABILITY CHECKLIST - MANUAL METHOD

PHASE 2

Initials/Time

6. _____ / _____ Contact each assembly area. Using the list of persons onsite, check off each person in the assembly area.

7. _____ / _____ List the names and badge numbers of persons unaccounted for:

8. _____ / _____ Notify the Emergency Director of the names of persons unaccounted for.

9. _____ / _____ Verify that persons unaccounted for have not left the site (check of badges). Determine last known location using the security computer.

10. _____ / _____ Call persons unaccounted for on the plant paging system (repeat announcement).

11. _____ / _____ Contact supervisors, co-workers. Attempt to determine last known location of persons unaccounted for.

12. _____ / _____ Advise Emergency Director of missing persons and information determined in steps 9, 11.

RETAIN THIS FORM. IT SHALL BE TURNED IN TO THE EMERGENCY DIRECTOR.

ACCOUNTABILITY CHECKLIST - COMPUTER

Page 1 of 1

Initials/Time

1. _____ / _____ Received notification from the Emergency Director to implement personnel accountability procedure.
2. _____ / _____ Security Central Alarm Station (CAS) or Secondary Alarm Station (SAS) operator to activate accountability card readers by activating the (F6) key on the security computer.

PHASE 1/2

3. _____ / _____ Individual assigned to lead accountability to activate "Personnel Onsite Report."
4. _____ / _____ Individual assigned to lead accountability to activate the "Unaccounted Personnel Report."
5. _____ / _____ Advise the Emergency Security Coordinator in the Technical Support Center of missing person(s) unaccounted for.
6. _____ / _____ Verify that person(s) unaccounted for have not left the site.
7. _____ / _____ Call person(s) unaccounted for on the plant paging system.
8. _____ / _____ Contact supervisors and co-workers to attempt to learn last location of the persons unaccounted for.
9. _____ / _____ Advise Emergency Director of missing person(s)

ACCOUNTABILITY LOG

DATE _____

FACILITY _____

	NAME	Badge Number	Continuous Accountability Time/DRD Readings					
			IN	OUT	IN	OUT	IN	OUT
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

REVISION SUMMARY SHEET

REV. NO.

- 90
- Quarterly update of Emergency Response Organization
 - Added Emergency Director to Sections 4.5 and 6.1.2.1.
 - Added Section 6.1.1.A, moved former 6.1.1.A to 6.1.1.B.
 - Changed RAD Envir Services Techs in Attachment 1 to RP/Chem Techs per memo JGMS-00-004.
 - Changed RES Supervision in Attachment 2 to RP/Chem Techs per memo JGMS-00-004.
 - Relocated Security Sergeant phone number to the end of the list in Sections 6.1.2.B.2 and Attachment 3.
 - Editorial corrections in Sections 6.1.3.D and 6.1.4.
- 89
- Quarterly update of Emergency Response Organization
 - Added Asterisks after Procedure titles in Sections 2.1, 2.2, 3.1 and 6.1.5, per AP-02.04.
 - Plant Manager was added to all Sections in 4.1.
 - Section 6.0, "Activation of the Emergency Plan", was rewritten for clarification.
 - Attachment 3 was revised in accordance with Section 6.0.
 - Attachment 6 was rewritten for clarification.
- 88
- Quarterly update of Emergency Response Organization
 - Relocated Reactor Engineering position on attachments 2 and 7 from TSC to CR.
 - Editorial corrections on Attachment 3 and the on the Emergency Plan "On Duty" call out schedule.

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1.0 PURPOSE

The purpose of this procedure is to designate the emergency organization for specific emergency classification and to describe the activation of the designated principal emergency response personnel.

NOTE: THIS PROCEDURE IS INTENDED ONLY FOR EMERGENCY PLAN ACTIVATION AND MAY BE ALTERED BY THE EMERGENCY PLANNING COORDINATOR FOR PURPOSES OF EMERGENCY PLAN DRILLS OR EXERCISES.

2.0 REFERENCES**2.1 Performance References**

2.1.1 EAP-43, EMERGENCY FACILITIES LONG TERM STAFFING*

2.1.2 SAP-20, EMERGENCY PLAN ASSIGNMENTS*

2.2 Developmental References

2.2.1 James A. FitzPatrick Nuclear Power Plant Emergency Plan, SECTION 5, ORGANIZATION*

2.2.2 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS*

2.2.3 EAP-22, OPERATION AND USE OF RADIO PAGING DEVICE*

2.2.4 SAP-20, EMERGENCY PLAN ASSIGNMENTS*

3.0 INITIATING EVENTS

3.1 An emergency has been declared in accordance with IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS*

4.0 RESPONSIBILITIES

4.1 **Site Executive Officer/Plant Manager/General Manager - Operations (GMO), General Manager - Support Services (GMSS)/General Manager - Maintenance (GMM)**

- 4.1.1 Either the Site Executive Officer, Plant Manager, the GMO, the GMM, or the GMSS will be in the general area (within approximately 60 minutes travel time to the plant) unless, and as approved by the Site Executive Officer, special circumstances dictate that they will be absent. Their location is known via the weekly staff schedule, or other means.
- 4.1.2 The Site Executive Officer, Plant Manager, the GMO, the GMM and the GMSS shall make their schedules available to the Operations Manager via the weekly staff schedule, or other means as appropriate.
- 4.2 Shift Manager**
- 4.2.1 During an emergency, the Emergency Director is responsible for the direction of all emergency actions at the James A. FitzPatrick Nuclear Power Plant. During normal hours, sufficient supervisory and support personnel are available to respond to an emergency condition; during off-hours, this support is diminished as shown in Attachment 1. When the Shift Manager/Emergency Director determines that additional personnel are necessary to respond to an onsite emergency, he will direct Security to initiate a recall of personnel in accordance with this procedure and EAP-1.1, section 4.2.1. Pagers should be activated for both normal working hours and off hour emergencies. It will be the responsibility of the Security Force to make the necessary telephone calls to initiate this site recall. Other personnel may be directed to perform this function if a Security event prevents Security from making the recall.
- 4.3 Human Resources Manager**
- 4.3.1 The JAFNPP Human Resources Manager is responsible to maintain an up-to-date list of all plant employees, their titles, and home phone numbers. Each calendar year quarter, the Human Resources Manager shall provide this listing to the Emergency Planning Coordinator (EPC).

4.3.2 The JAFNPP Human Resources Manager shall maintain an Emergency Plan Position Sheet (Attachment 5) in the personnel file of each employee listed by name in Attachment 8. The Human Resources Manager shall also provide a copy of Attachment 5 to each employee listed. The Emergency Planning Coordinator shall update Attachment 8 and the Human Resources Manager shall institute appropriate changes to the Emergency Plan Position Sheets in the personnel files on a quarterly basis. Emergency Plan Position Sheets and Oswego County I.D. cards for terminated or transferred employees shall be returned to the EPC after the personnel action.

4.4 **Emergency Planning Coordinator**

4.4.1 The Emergency Planning Coordinator shall quarterly update Attachment 8 and provide changes to the JAFNPP Human Resources Manager, noting any personnel changes to the Emergency Response Organization.

4.4.2 The Emergency Planning Coordinator shall issue an Emergency Plan On-Call Employee Call-Out Form (Attachment 3). This form will be filed at the SAS console.

4.5 **Security**

It is the responsibility of the Secondary Alarm Station (SAS) security officer to conduct the notifications to Emergency Plan On-Call Employees if so directed by the Shift Manager or Emergency Director. The security officer shall use the appropriate pager codes for emergency call-out for Attachment 3 (located at the SAS console). Any information needed regarding plant status shall be obtained from the Shift Manager. The call-out system Community Alert Network, "CAN," shall also be used as appropriate.

4.6 Emergency Plan On-Call Employees

It is the responsibility of each Emergency Plan On-Call Employee to perform their duties in accordance with this procedure. This includes maintaining an operable radio pager. If the employee is "on duty" he/she must remain within approximately one hour of their assigned facility and be fit for duty in accordance with plant/NYPA procedures.

5.0 EMERGENCY PLAN ON-CALL EMPLOYEES AND SCHEDULES

5.1 Emergency Plan On-Call Employee Schedule shall be issued by the Emergency Planning Coordinator. The following ERO positions shall be listed.

- 5.1.1 Operations Coordinator (CR)
- 5.1.2 Reactor Engineering (CR)
- 5.1.3 Communicator (EOF)
- 5.1.4 Computer Operator (EOF)
- 5.1.5 Dose Assessment Coordinator (EOF)
- 5.1.6 EOF Manager
- 5.1.7 Purchasing/Accounting (EOF)
- 5.1.8 Rad Data Coordinator (EOF)
- 5.1.9 Rad Engineer (EOF)
- 5.1.10 Rad Engineer Support (EOF)
- 5.1.11 Rad Support Coordinator (EOF)
- 5.1.12 Radio Operator (EOF)
- 5.1.13 Staffing Coordinator (EOF)
- 5.1.14 Technical Liaison (EOF)
- 5.1.15 Security Shift Coord/SGT (JAF)
- 5.1.16 Administrative Manager (JNC)
- 5.1.17 Chemistry Supervisor (OSC)
- 5.1.18 I&C Supervisor (OSC)
- 5.1.19 Maintenance Supervisor - Electrical (OSC)
- 5.1.20 Maintenance Supervisor - Mechanical (OSC)
- 5.1.21 OSC Manager
- 5.1.22 Rad Protection Supervisor (OSC)
- 5.1.23 Communications & Records Coordinator (TSC)
- 5.1.24 Communicator (TSC)
- 5.1.25 Computer Operator (TSC)
- 5.1.26 Emergency Director/TSC Manager Alternate (TSC)
- 5.1.27 Emergency Director Aide (TSC)
- 5.1.28 Emergency Maintenance Coordinator (TSC)
- 5.1.29 NRC Communicator (TSC)
- 5.1.30 Plant Engineer - Electrical (TSC)
- 5.1.31 Plant Engineer - Mechanical (TSC)
- 5.1.32 Rad Engineer (TSC)

-
- 5.1.33 Rad Support Coordinator (TSC)
 - 5.1.34 Emergency Security Coordinator (TSC)
 - 5.1.35 Technical Coordinator (TSC)
 - 5.1.36 TSC Manager/Emergency Director Alternate.
- 5.2 The following ERO positions are issued pagers but are not assigned on-duty periods.
- 5.2.1 EOF Security Coordinator
 - 5.2.2 Oswego County/NY State Liaison (EOF)
 - 5.2.3 Public Information Technical Assistant (EOF)
 - 5.2.4 NYPA Spokesperson/JNC Director (JNC)
 - 5.2.5 Public Information Technical Assistant (JNC)
 - 5.2.6 Technical Briefer (JNC)
 - 5.2.7 B&G Supervisor (OSC)
 - 5.2.8 Fire Protection Supervisor (OSC)
 - 5.2.9 Maintenance Engineer (OSC)
 - 5.2.10 Nurse (OSC)
 - 5.2.11 QC Supervisor (OSC)
 - 5.2.12 Warehouse Supervisor (OSC)
 - 5.2.13 Plant Engineer - Procurement (TSC)
 - 5.2.14 Public Information Liaison (TSC)
 - 5.2.15 Public Information Technical Assistant (TSC)
 - 5.2.16 Rad Engineer Support (TSC)
- 5.3 It is the responsibility of each assigned individual to be aware of the on-call schedule and be aware of the pager codes.
- 5.4 Individuals filling positions listed in Section 5.1 are issued Emergency Plan pagers and are scheduled for "on-duty" periods. A schedule of "on-duty" personnel is initiated and published by the Emergency Planning Coordinator.
- 5.5 It is the responsibility of the individual on-call to be aware of their "on-duty" status. An on-duty week shall normally run from 0700 Monday until 0700 the following Monday. If a holiday occurs on a Monday, the on-duty period will end on Tuesday at 0700. Pagers shall be within hearing/notification range of "on duty" personnel at all times.
- 5.6 If an individual is scheduled for a particular date and that individual wishes to switch duty with another equally qualified and designated person, it is the individual's responsibility to ensure adequate coverage is maintained. No official notifications are necessary.

- 5.7 Pager codes as listed in Attachment 3 are issued to each individual assigned a pager. The codes indicate if it is a real event, a drill or a pager test. (All individuals issued pagers are expected to report to their assigned facility/follow pager instructions during a real event or drill as they would for a CAN notification.)
- 5.8 The on-call schedule for the WPO Nuclear Generation Duty Officer is maintained by the Corporate Emergency Preparedness Group.

6.0 PROCEDURE

6.1 Activation of the Emergency Plan

6.1.1 Shift Manager/Emergency Director

- A. The Control Room will activate pagers and CAN during times of a declared Security event.
- B. The Shift Manager or designee shall instruct the SAS Security Officer (at extension 3456) to initiate the call out of Emergency Response Organization personnel in accordance with this procedure and EAP-1.1, Section 4.2.1.

6.1.2 Secondary Alarm Station (SAS) Security Officer (or designated Security Officer)

- A. Notification of Emergency Plan On-Call Employees via pagers.

NOTE: Pager and/or CAN notifications **NOT** performed in **SAS** will be performed in accordance with Attachment 6 from the Control Room.

1. The SAS Security Officer, upon being instructed to do so by the Shift Manager/Emergency Director, shall notify all the Emergency Plan On-Call Employees. This shall be accomplished by using the Emergency Plan On-Call Employee Call-Out Form(Attachment 3). Activate the paging system a minimum of three (3) times. Separate pages by an interval of 2 minutes.

B. Community Alert Network (CAN)

Activate "CAN" during off-hours when directed to do so by the Shift Manager and/or Emergency Director.

NOTE: The Password and Call Back verification Phone Numbers are the same number.

1. Notify "CAN" at 800-552-4226. The "CAN" operator will request your name and affiliation - James A. FitzPatrick NPP (JAF Security).
2. The "CAN" operator will ask for a Password and a call back verification number. Provide "CAN" operator with one of the following phone numbers:
 - a. SAS Phone (315-349-6420) or
 - b. SAS Phone (315-349-6415) or
 - c. SAS Cellular Phone (315-593-4767) or
 - d. Security Sergeant (315-349-6422) or
 - e. Control Room Phone, near RECS line, (315-349-6261)

(The "CAN" operator will then hang up and call you back for verification of the facilities and messages. If cellular phone number is given, ensure cellular phone is turned on.)

3. On the call back from "CAN," provide the following information:
 - a. The "CAN" operator will request which call-out lists to call. Answer "Call out the (depending on which facilities are requested to be activated).

NOTE: The JAF list includes only Security Personnel.

- 1) CR/TSC/OSC/JAF call-out lists; or the
- 2) CR/TSC/OSC/JAF and EOF/JNC call-out lists."

- b. Instruct the "CAN" operator to activate:

- 1) Message 1 for actual emergencies

OR

- 2) Message 2 for drills

4. The backup phone number to call "CAN" is (800) 992-2331. This is an answering service and is to be used only in the event of a malfunction of the computerized prompt/recording. Tell the answering service your name/affiliation and a call back number. This person will contact the "CAN" operations staff who will return your call to get the detailed information.
5. Notify the Control Room when "CAN" has been activated.
6. CAN notifications **NOT** performed in **SAS** will be performed in accordance with Attachment 6.

C. Manual Call-Out/Verification

If CAN was activated, call ten (10) individuals on Attachment 8 and verify that CAN activation was successful.

If CAN activation was NOT successful, call Team 1 members then Team 2 then Team 3 and read the appropriate CAN message to each individual. (Use additional personnel to expedite call-out if necessary.)

6.1.3 On-Call Employees "On Duty"

- A. The Emergency Plan on-call employee will maintain an operable pager and ensure that he/she can be notified at all times (ie. hear the pager) for the duration of their duty period.
- B. The Emergency Plan on-call employee shall remain fit for duty (BAC <.04% as a minimum) and be within approximately one hour from their assigned emergency response facility.
- C. The Emergency Plan on-call employee shall respond to the appropriate emergency response facility as soon as possible (approximately one hour), or follow directions given via coded message on the pager.
- D. Random pager testing of on-call staff will occur periodically. Random tests must be responded to by the individuals "on duty" at the time the test is conducted as indicated by the pager code.

6.1.4 Individuals Listed in Section 5.1 But Are Not "On-Duty" and Individuals Listed in Section 5.2

ERO members assigned pagers but are not "on-duty" are expected to keep their pagers within hearing/notification range both while onsite and offsite. Response to the page is the same as that expected to a CAN call.

6.1.5 Emergency Director

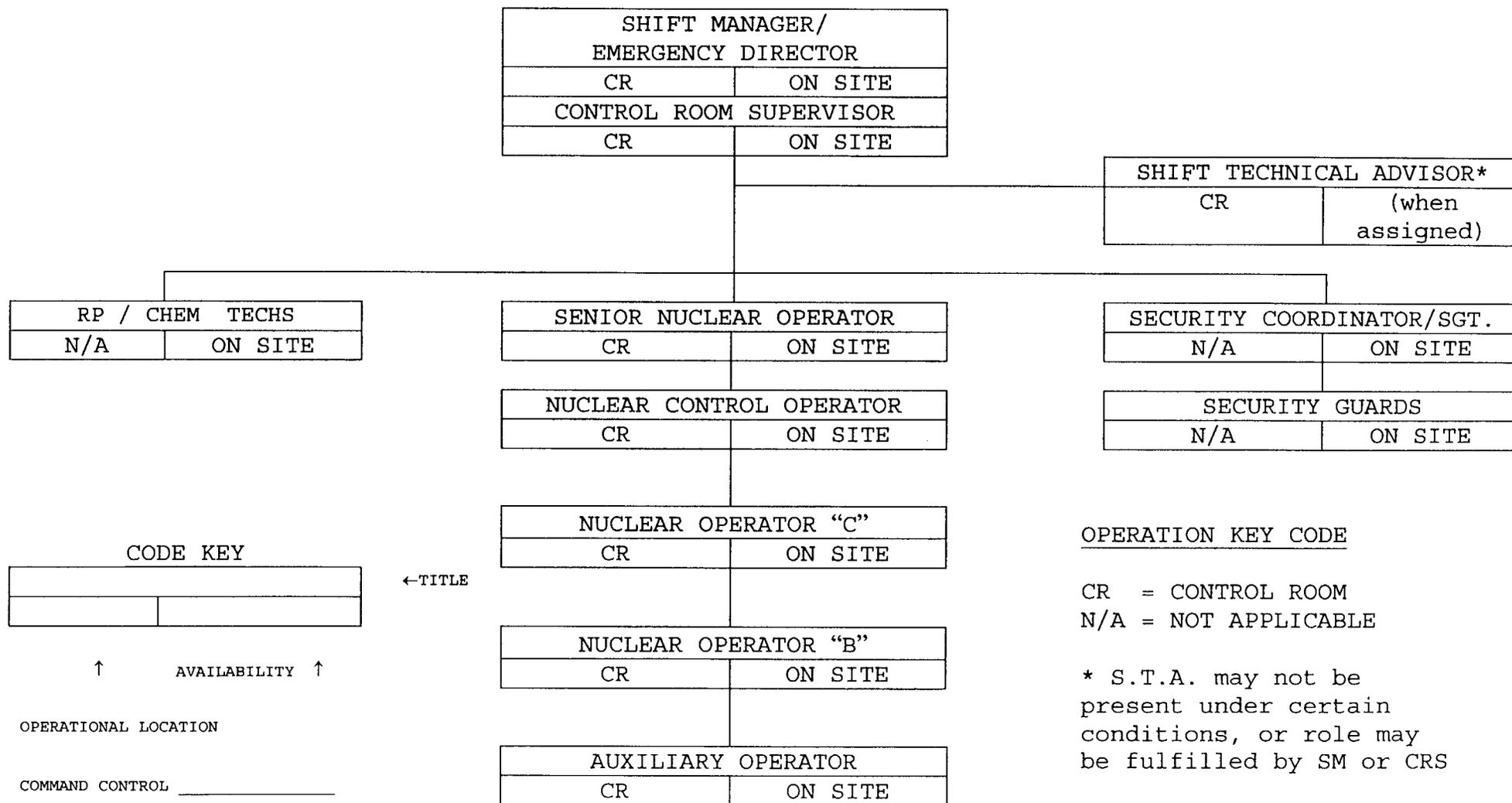
- A. The Emergency Director should establish that the emergency organization staffing applicable to the level of emergency is in place (ref. SAP-20 for facility organizational charts or adjust according to need).

- B. As soon as practical after declaring an emergency condition and activating the Emergency Response Organization, the Emergency Director shall attempt to determine if any additional staff is required to maintain the emergency response.
- C. The Emergency Director may delegate the staffing responsibilities to a Staffing Coordinator. Refer to EAP-43, EMERGENCY FACILITIES LONG TERM STAFFING*

7.0 ATTACHMENTS

1. JAFNPP EMERGENCY STAFFING ON SHIFT RESPONSE ORGANIZATION
2. JAFNPP TYPICAL EMERGENCY PLAN STAFF CALL OUT MATRIX - BY POSITION
3. EMERGENCY PLAN ON-CALL EMPLOYEE CALL-OUT
4. "CAN" MESSAGES
5. EMERGENCY PLAN POSITION SHEET
6. ALTERNATE COMMUNITY ALERT NETWORK CAN EMERGENCY CALL OUT DURING SECURITY EVENT
7. JAFNPP "ON-DUTY" EMERGENCY PLAN STAFF CALL OUT BY POSITION AND NAME
8. EMERGENCY ORGANIZATION ASSIGNMENTS

JAFNPP EMERGENCY STAFFING ON SHIFT RESPONSE ORGANIZATION



JAFNPP TYPICAL EMERGENCY PLAN STAFF CALL OUT MATRIX - BY POSITION

JAFNPP TYPICAL EMERGENCY PLAN STAFF CALL OUT MATRIX - BY POSITION							
EP Function	DATE	DATE	DATE	DATE	DATE	DATE	EP Qualified Positions
CONTROL ROOM							
Operations Coordination	Operations Coord	Operations Coord	Operations Coord	Operations Coord	Operations Coord	Operations Coord	Operations Coordinator
Reactor Engineering	As assigned per Reactor Analyst Schedule						Reactor Engineer
TECHNICAL SUPPORT CENTER							
Emergency Director	As assigned per Emergency Director Schedule						Emergency Director IAW EAP-17, Step 4.1.1
System Assessment Advisor	As assigned per Work Week Manager Schedule						System Assessment Advisor
Parameter Assessment Advisor	Para. Asst. Adv.	Para. Asst. Adv.	Para. Asst. Adv.	Para. Asst. Adv.	Para. Asst. Adv.	Para. Asst. Adv.	Parameter Assessment Advisor
TSC Management	TSC Manager	TSC Manager	TSC Manager	TSC Manager	TSC Manager	TSC Manager	TSC Manager
Technical Coord/Lead	Tech. Coord/DE	Tech. Coord/DE	Tech. Coord/DE	Tech. Coord/DE	Tech. Coord/DE	Tech. Coord/DE	Tech. Coordinator/Designated Engineer (DE)
Emergency Plan Assistance	ED Aide	ED Aide	ED Aide	ED Aide	ED Aide	ED Aide	ED Aide
Plant Engineer Mechanical	Plant Eng. Mech	Plant Eng. Mech	Plant Eng. Mech	Plant Eng. Mech	Plant Eng. Mech	Plant Eng. Mech	Plant Engineer Mechanical
Plant Engineer Electrical	Plant Eng. Elect	Plant Eng. Elect	Plant Eng. Elect	Plant Eng. Elect	Plant Eng. Elect	Plant Eng. Elect	Plant Engineer Electrical
Inplant Radiological Lead	Rad Sup Coord	Rad Sup Coord	Rad Sup Coord	Rad Engineer	Rad Engineer	Rad Engineer	Radiological Support Coordinator or Rad Engineer
Communication Management	Comm Records Coord.	Comm Records Coord.	Comm Records Coord.	NRC Communicator	NRC Communicator	NRC Communicator	Comms & Records Coordinator or NRC Communicator
Communications	Communicator	Communicator	Communicator	Communicator	Communicator	Communicator	Communicators
Computer Operations	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Operator
Emergency Maintenance Coord	As assigned per Coordinated Maintenance Schedule						Emergency Maintenance Coordinator
Security Lead	Emer Sec Coord	Emer Sec Coord	Emer Sec Coord	Shift Coord/SGT.	Shift Coord/SGT.	Shift Coord/SGT.	Emergency Security Coord. Or Sec. Shift Coord/SGT.
OPERATIONAL SUPPORT CENTER							
OSC Management	Assigned per Coordinated Maintenance Schedule						OSC Manager
Mechanical Maint. Supervision	Assigned per Coordinated Maintenance Schedule						Maintenance Supervisor - Mechanical
RP / Chem Supervision	RP Supv	RP Supv.	RP Supv.	Chem Supv.	Chem Supv	Chem Supv	Rad Protection Supervisor or Chemistry Supervisor
I&C and Electrical Supervision	Assigned per Coordinated Maintenance Schedule						I&C Supervisor or Maintenance Supervisor - Electrical
EMERGENCY OPERATIONS FACILITY							
EOF Management	EOF Manager	EOF Manager	EOF Manager	Tech Liaison	Tech Liaison	Tech Liaison	EOF Manager or Technical Liaison
Dose Assessment Lead	Rad Sup Coord	Rad Sup Coord	Rad Sup Coord	Dose Assess. Coord	Dose Assess. Coord	Dose Assess. Coord	Rad Support Coordinator or Dose Assessment Coordinator
Rad Engineering Support	Rad Engineer	Rad Engineer	Rad Engineer	Rad Eng. Support	Rad Eng. Support	Rad Eng. Support	Rad Engineer or Rad Engineer Support
Rad. Data & Dispatch Support	Rad Data Coord	Rad Data Coord	Rad Data Coord	Radio Operator	Radio Operator	Radio Operator	Rad Data Coordinator or Radio Operator
Computer Operations	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Oper	Computer Operator
Communications Support	Communicator	Communicator	Communicator	Communicator	Communicator	Communicator	Communicator
Staffing & Purchasing	Staff Coord	Staff Coord	Staff Coord	Purch Account	Purch Account	Purch Account	Staffing Coordinator or Purchasing Accounting
JOINT NEWS CENTER							
Administration	Admin Mgr.	Admin Mgr.	Admin Mgr.	Admin Mgr.	Admin Mgr.	Admin Mgr.	Admin Manager

EMERGENCY PLAN ON-CALL EMPLOYEE CALL-OUT

DATE OF ACTIVATION _____ TIME CALL-OUT STARTED _____
 Emergency Classification None NUE Alert SAE GE
 Facility Activated TSC OSC EOF/JNC
 Activate Pagers Yes No
 Activate CAN Yes No
 Activated by SM/ED/Other _____

A. Pager Activation

FIRST DIGIT INFORMATION	SECOND DIGIT CLASSIFICATION	THIRD DIGIT FACILITY ACTIVATED
1 = Actual Event	1 = NUE	1 = Report to CR/OSC/TSC
2 = Drill or Exercise	2 = Alert	2 = Report to CR/OSC/TSC/EOF/JNC
9 = Pager test only	3 = SAE	3 = On duty only report to CR/OSC/TSC/EOF/JNC
	4 = GE	7 = On duty team call CAN 800- 205-5175 (respond to CAN prompts as directed)
	9 = None	8 = All personnel report to EOF for further instructions.
		9 = No response required

1. Three Digit Event Code from Shift Manager _____
2. Obtain "pager" number from Security Coord. _____
3. Obtain Password from Security Coord. _____
4. Dial 1-800-836-2337
5. Enter "pager" number when prompted from system ("Please enter the pager number")
6. Enter "Password" when prompted from system ("Please enter your caller password")
7. Wait for tones; enter "Three Digit Event Code"
8. Repeat above steps 4-7 two (2) more times - Separate page intervals by 2 minutes (call CAN between pages as applicable).
9. Call the WPO Nuclear Generation Duty Officer pager using the NYPA paging system as follows:
 - From a plant switched phone dial 7243 (from any other phone dial 1-800-269-6972, when prompted to "Please enter the number you are calling" enter 718-7243).
 - Follow directions and enter 718-3889.
 - Enter the number you wish to be called back on (eg. 315-3496xxx) and hang-up.
 - Report plant status to NGDO when call is returned.

B. CAN Activation

1. Call back number: _____
2. CAN Activation Lists: CR/TSC/OSC/JAF EOF/JNC
3. Determine message to send
 Message 1 - for actual emergency
 Message 2 - for drills
 Community Alert Network (CAN): 800-552-4226
4. CAN - Follow steps in procedure if necessary (Step 6.1.2.B)

SAS CALL BACK NUMBERS	
SAS Phone	(315-349-6420)
SAS Phone	(315-349-6415)
SAS Cell Phone	(315-593-4767)
Sec. Sergeant	(315-349-6422)

C. Manual Calls/Verification

If CAN was activated, verify successful activation by calling ten (10) individuals listed on Attachment 8. If CAN activation was not successful, call all individuals on Attachment 8 and read the appropriate CAN message. (Call Team 1 members then Team 2 then Team 3 - use additional people if available.)

D. Information

Time Call-Out Completed _____ (inform SM when complete)

Signature _____
 Print/Sign _____

MESSAGE #1 (Use to activate a facility during an Actual Event)

This is an emergency message from the James A. FitzPatrick Nuclear Power Plant. This is an emergency message from the James A. FitzPatrick Nuclear Power Plant. An emergency has been declared at the plant! An emergency has been declared at the plant! Report to your assigned emergency facility. Fitness For Duty requirements apply. Report to your assigned emergency facility. Fitness For Duty requirements apply.

ACTIVATION

MESSAGE #2 (Use to activate a facility during a drill)

This is a drill message from the James A. FitzPatrick Nuclear Power Plant. This is a drill! This is a drill! An emergency has been declared at the plant. Report to your assigned emergency facility. Fitness For Duty requirements apply. An emergency has been declared at the plant. Report to your assigned emergency facility. Fitness For Duty requirements apply. This is a drill. This is a drill.

DRILL

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3
UPDATE LIST

CONTROLLED COPY # 34

Date of Issue: July 26, 2000

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. 0	12/98	Informational
EAP-32	RECOVERY SUPPORT GROUP*	REV. 3	07/00	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. 5	02/98	Informational
EAP-39	DELETED (02/95)			
EAP-40	DELETED (02/98)			
EAP-41	DELETED (12/85)			
EAP-42	OBTAINING METEOROLOGICAL DATA	REV. 13	04/99	Informational
EAP-43	EMERGENCY FACILITIES LONG TERM STAFFING	REV. 49	07/00	Informational
EAP-44	CORE DAMAGE ESTIMATION	REV. 4	02/98	Informational
EAP-45	EMERGENCY RESPONSE DATA SYSTEM (ERDS) CONFIGURATION CONTROL PROGRAM	REV. 56	07/00	Informational
SAP-1	MAINTAINING EMERGENCY PREPAREDNESS	REV. 15	02/00	Informational
SAP-2	EMERGENCY EQUIPMENT INVENTORY	REV. 30	07/00	Reference
SAP-3	EMERGENCY COMMUNICATIONS TESTING	REV. 69	07/00	Reference

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3
UPDATE LIST

Date of Issue: July 26, 2000

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. 15	02/00	Informational
SAP-7	MONTHLY SURVEILLANCE PROCEDURE FOR ON-CALL EMPLOYEES	REV. 34	02/98	Informational
SAP-8	PROMPT NOTIFICATION SYSTEM FAILURE/SIREN SYSTEM FALSE ACTIVATION	REV. 10	02/98	Informational
SAP-9	DELETED (02/94)			
SAP-10	METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE	REV. 9	07/00	Informational
SAP-11	EOF DOCUMENT CONTROL	REV. 10	07/99	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. 3	03/98	Informational
SAP-20	EMERGENCY PLAN ASSIGNMENTS	REV. 17	06/99	Informational
SAP-21	PLACEMENT, TESTING AND OPERATION OF WIRELESS TELEPHONE EQUIPMENT IN PLANT ENVIRONS	REV. 2	10/98	Informational
SAP-22	EMERGENCY PLANNING PROGRAM SELF ASSESSMENT	REV. 1	10/98	Informational

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY FACILITIES LONG TERM STAFFING*
EAP-43
REVISION 49

REVIEWED BY: PLANT OPERATING REVIEW COMMITTEE

MEETING NO. N/A

DATE: N/A

APPROVED BY:

M. Gulbert
RESPONSIBLE PROCEDURE OWNER

DATE: 7/25/00

EFFECTIVE DATE:

July 26, 2000

FIRST ISSUE

FULL REVISION

LIMITED REVISION

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* INFORMATIONAL USE *	* * * * *
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PERIODIC REVIEW DUE DATE: February 2005

REVISION SUMMARY SHEET

REV. NO.

- 49 • Quarterly update of Emergency Response Organization.
- 48 • Quarterly update of Emergency Response Organization.
 - Added Section 4.10.
 - Added Asterisks after Procedure title in Section 2.2.2 per AP-02.04.
- 47 • Quarterly update of Emergency Response Organization.
 - Added box in the TSC to read Technical Coordinator as Assigned by ED.
- 46 • Quarterly update of Emergency Response Organization.
 - Added box in the JNC Technical Briefer to read ED/ED Aide/TSC Manager assigned.
- 45 • Added to performance reference: Control of overtime
 - Added new step after 4.2: The Staffing Coordinator shall ensure provision of AP-11.03, CONTROL OF OVERTIME*, are considered when making staffing assignments.
 - Reason for change: Include consideration of the overtime policy to avoid conflicts with procedure requirements or Tech Specs.
 - Quarterly update of Emergency Response Organization.
- 44 • Quarterly update of Emergency Response Organization.
- 43 • Added section 4.8 to read "Licensed SRO and RO personnel, who have an inactive license, may be utilized to support the E-Plan for non-licensed activities."
 - Quarterly update of Emergency Response Organizations.

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1.0 PURPOSE

This procedure provides instructions to provide long term staffing for JAFNPP Emergency Facilities

2.0 REFERENCES

2.1 Performance References

2.1.1 AP-11.03, CONTROL OF OVERTIME*

2.2 Developmental References

2.2.1 Section 5, JAF EMERGENCY PLAN*

2.2.2 EAP-17, EMERGENCY ORGANIZATION STAFFING*

3.0 INITIATING EVENTS

All Emergency Facilities have been activated.

4.0 PROCEDURE

4.1 Responsibility

It is the responsibility of the Staffing Coordinator to establish long term staffing for all the JAFNPP Emergency Facilities (C.R., O.S.C., T.S.C., E.O.F., Security and J.N.C.). The Staffing Coordinator shall fill positions in accordance with Attachment 1 developing a two shift rotation of qualified employees as a minimum and three shifts whenever possible.

NOTE: Personnel who are designated as "in training" for a position are considered to be qualified when all training requirements for that position are completed.

4.2 The Staffing Coordinator shall complete Attachment 1, Emergency Organization Assignments, using a copy of Attachment 3 of EAP-8 that has been completed at JAF for accountability, as a reference.

4.3 The staffing Coordinator shall ensure provision of AP-11.03, CONTROL OF OVERTIME*, are considered when making staffing assignments

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY RESPONSE DATA SYSTEM (ERDS)
CONFIGURATION CONTROL PROGRAM*
EAP-45
REVISION 6

REVIEWED BY: PLANT OPERATING REVIEW COMMITTEE

MEETING NO. N/A

DATE: N/A

APPROVED BY:

[Signature]
RESPONSIBLE PROCEDURE OWNER

DATE: 7/25/00

EFFECTIVE DATE:

July 26, 2000

FIRST ISSUE

FULL REVISION

LIMITED REVISION

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PERIODIC REVIEW DUE DATE:

July 2005

REVISION SUMMARY SHEET

REV. NO.

- 6 • Changes required to reflect the installation of new hardware and software for ERDS, and new hardware and software for MDAS.

- 5 • Reformat per AP-02.01, Rev. 5
- Editorial Changes.

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1.0 PURPOSE

This procedure establishes a configuration control program for the hardware and software components of the James A. FitzPatrick Emergency Response Data System (ERDS). The purpose of this configuration control program is to ensure that no changes are made to the JAF ERDS that may affect the operability of the system without proper review and approval.

2.0 APPLICABILITY

This procedure applies to JAFNPP personnel assigned responsibilities for the design, maintenance, and control of the hardware and software components of the JAF ERDS.

3.0 REFERENCES

3.1 Performance References

- 3.1.1 CDSO-3.200, SOFTWARE CONTROLS FOR EPIC SYSTEM
- 3.1.2 Modification Control Manual - 4, Nuclear Safety and Environmental Impact Screens and Nuclear Safety Evaluations
- 3.1.3 CMM-5.1, Software Quality Assurance Program

3.2 Developmental References

- 3.2.1 NUREG-1394 Revision 1 (6/91), Emergency Response Data System Implementation
- 3.2.2 EAP-26, PLANT DATA ACQUISITION SYSTEM ACCESS*
- 3.2.3 EAP-28, EMERGENCY RESPONSE DATA SYSTEM (ERDS) ACTIVATION*

4.0 REQUIREMENTS

4.1 NUREG-1394 Revision 1 (6/91), Emergency Response Data System Implementation, Section 3.6, Administrative Implementation Requirements.

4.2 Commitments

- 4.2.1 NUREG-1394 Revision 1 (6/91), Emergency Response Data System Implementation: Ensure the integrity of the ERDS hardware and software configuration.

5.0 DEFINITIONS

5.1 Emergency and Plant Information Computer System (EPIC)

The main JAF plant process computer that gathers inputs from various plant sensors and instruments. It provides the principal man-machine interface to this information for plant personnel. One major subsystem is the Safety Parameter and Display System (SPDS) for use during plant emergencies. EPIC is one of the two sources of data for the JAF ERDS.

5.2 Emergency Response Data System (ERDS)

5.2.1 JAF ERDS

The computer system at JAF which gathers plant data from EPIC and meteorological data from MDAS and provides the interface capability of sending that data to the NRC ERDS.

5.2.2 NRC ERDS

The computer system which the NRC uses to gather emergency response data from nuclear power plants. JAF ERDS is one input to this system.

5.3 Meteorological Data Acquisition System (MDAS)

The JAF computer system whose function is to gather site area meteorological data. MDAS is one of the two sources of data for the JAF ERDS.

5.4 ERDS Hardware Configuration

The ERDS hardware specifically covered by this procedure are:

- 5.4.1 Jafnt005 - a WindowsNT server located in the TSC Auxiliary Computer room. This includes, but is not limited to, the cpu, ram memory, disk drives and serial communications ports. The operability of this unit is critical to the ERDS system. Any change to the hardware or operating system software that may affect the proper functioning of this computer is subject to this procedure.

- 5.4.2 Jafnt002 - a WindowsNT server located in the TSC Auxiliary Computer room. Any change to the hardware or operating system software that may affect the proper functioning of this computer is subject to this procedure.
- 5.4.3 The serial cable connecting the EPIC failover T-Bar to COM1 on jafnt005.
- 5.4.4 The connecting cable the TSC strip chart recorders to the Analog-to-Digital conversion card in jafnt002.
- 5.4.5 The connecting cable from serial port COM2 on jafnt003 to the USNRC provided Codex modem.
- 5.4.6 The USNRC provided Codex Modem and connecting cable to FTS2000 telephone line 700-371-6270.

This equipment is graphically depicted in Figure 1.

5.5 ERDS Software Configuration

The JAF ERDS receives input data from both the EPIC and MDAS systems. Therefore, the software configuration must extend to the programs on those systems that transmit data points to the JAF ERDS, the JAF ERDS receiving program, and the actual JAF ERDS transmission program.

5.5.1 EPIC System

Program Name: NERDS

Description: Selects EPIC related ERDS data points and sends analog values with time stamp and quality tags to JAF ERDS.

Initiation: Automatic upon EPIC system startup.

5.5.2 MDAS System

Program Name: mdas.exe

Description: Receives data from the TSC meteorological strip chart recorders, calculates 15-minute averages and sends those values with a time stamp to JAF ERDS.

Initiation: Automatic upon MDAS system startup.

5.5.3 JAF ERDS System

Program 1

Name: RCV.exe

Description: Receives data from EPIC and writes to formatted data files.

Initiation: Automatic upon JAF ERDS system startup.

Program 2

Name: nERDS.exe

Description: Sends ERDS data points to NRC ERDS system.

Initiation: Manually started IAW EAP-28.

6.0 RESPONSIBILITIES

6.1 JAF Corporate/Site Engineer

Notifies JAF EPIC personnel of any plant modifications that may cause any changes to EPIC data point inputs, as required by MCM-4, Attachment 4.6.

6.2 JAF Information Technology Programmer/Analyst

6.2.1 Notifies the Emergency Planning Coordinator (EPC) of any potential changes to the JAF ERDS hardware connections from EPIC. Awaits approval by the EPC before enacting any such changes.

6.2.2 Ensures proper reception of EPIC and MDAS data inputs to the JAF ERDS, and transmission to the NRC ERDS.

6.2.3 Ensures the proper configuration control of JAF ERDS hardware and software.

7.0 RESPONSIBILITIES

7.1.1 Ensures the proper configuration control of JAF ERDS hardware and software.

7.2 Emergency Planning Coordinator (EPC)

7.2.1 Administers entire JAF ERDS capability.

7.2.2 As the Application Manager, reviews and approves all JAF ERDS hardware and software changes before they are enacted.

7.2.3 Notifies USNRC, as soon as possible, if JAF ERDS system availability will be affected by hardware changes or testing.

8.0 SPECIAL INSTRUCTIONS

A label shall be affixed to the chassis, both ends of the connecting serial cables, Codex modem and the system console of both jafnt002 and jafnt005 stating:

"JAF ERDS - see EAP-45 before working."

9.0 PROCEDURE

9.1 The initiator of any proposed changes to the existing hardware or software configuration or to source EPIC instrumentation shall comply with applicable portion of MCM-4 and shall notify the EPC, by written correspondence, of the nature and extent of the proposed changes; the time the system will be affected and inoperable, the date the system will be returned to full service, the reason for the proposed changes; and the estimated impact on the ERDS system availability and/or operability. The correspondence shall include a line for EPC acknowledgement. (System calibration does not constitute changes to EPIC instrumentation, unless system parameters are changed.)

9.2 The EPC shall sign, copy and return to the initiator the written correspondence either approving or disapproving the proposed changes.

- 9.3 Upon completion of the changes, the initiator shall notify the EPC of the actual implementation, and shall fully describe in writing the new hardware, software, or data point configuration.
- 9.4 The EPC shall notify the USNRC of any changes to the JAF ERDS hardware or software configuration which affect the plant parameters described in the ERDS Data Point Library (Attachment 1) within 30 days of implementation.
- 9.5 The EPC shall provide to the USNRC any hardware and software changes, with the exception of data point modifications, that could affect the transmission format and computer communication protocol to the ERDS as soon as practicable and at least 30 days prior to the modification.
- 9.6 The EPC shall be responsible for maintaining copies of this correspondence, which shall constitute the JAF ERDS configuration changes log.

10.0 **ATTACHMENTS**

1. Figure 1. - ERDS Hardware Configuration

FIGURE 1

ERDS HARDWARE CONFIGURATION - FIGURE 1

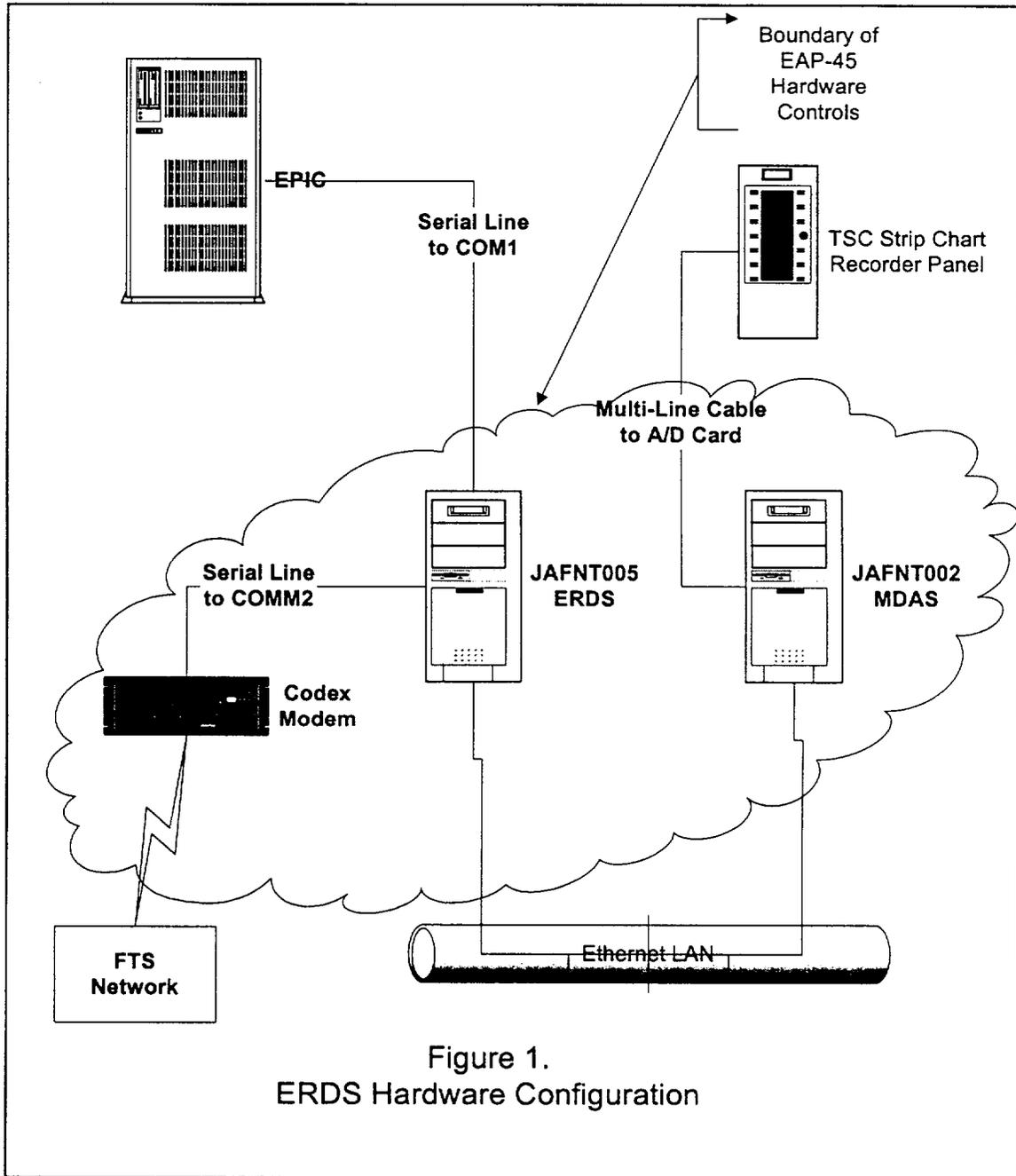


Figure 1.
ERDS Hardware Configuration

TABLE 1

JAF ERDS DATA POINTS EPIC SYSTEM OUTPUTS - TABLE 1

<u>PTID</u>	<u>NAME</u>	<u>DESCRIPTION</u>
1128	13FT-58	RCIC Pump Discharge Flow
1151	14FT-40A	Lower Core Spray Flow
1152	14FT-40B	Upper Core Spray Flow
1257	23FT-82	HPCI Pump Discharge Flow
1263	23LT-203A1A2	Drywell Floor Drain Sump Level
3093	DWP	Drywell Pressure
3097	RXPRES	Reactor Pressure
3102	SPWL	Torus Water Level
3108	RXWL	Reactor Water Level
3313	MFWFLOW	Total Feedwater Flow
3316	DWT	Drywell Temperature
3341	STACK-CI	Stack μ Curies/Sec
3342	RBEXH-CI	Reactor Bldg Vent μ Curies/Sec
3343	RFEXH-CI	Refuel Floor Exh μ Curies/Sec
3344	TBEXB-CI	Turbine Bldg Vent μ Curies/Sec
3345	RWEXH-CI	Rad Waste Bldg Vent μ Curies/Sec
3346	SW-CI	Service Water μ Curies/Ml
3355	OFFGASRAD	Highest Offgas Monitor
3370	STACK-CIHI	Stack High Range Curies/Sec
3373	TBEXH-CIHI	Turb Bldg High Range Curies/Sec
3374	RWEXH-CIHI	Rad Waste High Range Curies/Sec
3376	RXPWR	Reactor APRM Power
3377	DRYWELLHIRAD	Highest Drywell Rad Monitor
3380	SPWT	Torus Water Temperature
3386	CSTLVL	Condensate Storage Tank Level
3447	SRMPWR	SRM power
3448	IRMPWR	IRM power
3449	MSLHIRAD	Highest Main Steam Line Rad Monitor
3450	DWH2CONC	DW Hydrogen Concentration
3451	DWO2CONC	DW Oxygen Concentration
3452	LPCIAFLOW	LPCI Loop A Flow
3453	LPCIBFLOW	LPCI Loop B Flow

JAF ERDS DATA POINTS MDAS SYSTEM OUTPUTS - TABLE 2

<u>NAME</u>	<u>DESCRIPTION</u>
WS30	Wind Speed at 30 Feet
WS200	Wind Speed at 200 Feet
WD30	Wind Direction at 30 Feet
WD200	Wind Direction at 200 Feet
ST30	Sigma Theta at 30 Feet
ST200	Sigma Theta at 200 Feet