

**NEW YORK POWER AUTHORITY
 JAMES A. FITZPATRICK NUCLEAR POWER PLANT
 P.O. BOX 41
 LYCOMING, NY 13093
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SUBJECT: EMERGENCY PLAN AND IMPLEMENTING PROCEDURES

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EMERGENCY PLAN / VOLUME 1
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Procedure Number	Procedure Title	Revision Number	Date of Last Review
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SECTION 1	DEFINITIONS/ACRONYMS	REV. 18	02/00
SECTION 2	SCOPE AND APPLICABILITY	REV. 16	02/00
SECTION 3	SUMMARY OF THE JAFNPP EMERGENCY PLAN	REV. 8	02/00
SECTION 4	EMERGENCY CONDITIONS	REV. 15	02/00
SECTION 5	ORGANIZATION	REV. 34	02/00
SECTION 6	EMERGENCY MEASURES	REV. 22	02/00
SECTION 7	EMERGENCY FACILITIES AND EQUIPMENT	REV. 21	02/00
SECTION 8	MAINTAINING EMERGENCY PREPAREDNESS	REV. 23	02/00
SECTION 9	RECOVERY	REV. 13	02/00
APPENDIX A	EMERGENCY PLAN IMPLEMENTING PROCEDURES	REV. 16	02/00
APPENDIX B	NYPA POLICY STATEMENT	REV. 4	02/00
APPENDIX C	LETTERS OF AGREEMENT	REV. 21	04/99
APPENDIX D	NEW YORK STATE PLAN AND PROCEDURES	REV. 4	02/00
APPENDIX E	OSWEGO COUNTY PLANS AND PROCEDURES	REV. 4	02/00
APPENDIX F	TYPICAL SUPPORT COMPANIES AND ORGANIZATIONS	REV. 10	02/00
APPENDIX G	DELETED (2/98)		
APPENDIX H	PUBLIC INFORMATION PROGRAM	REV. 23	03/99
APPENDIX I	EMERGENCY EQUIPMENT KITS	REV. 8	02/00
APPENDIX J	SUPPORTING DOCUMENTS	REV. 7	02/00
APPENDIX K	EVACUATION TRAVEL TIME ESTIMATES AND POPULATION DISTRIBUTION FOR THE JAF/NINE MILE POINT EMERGENCY PLANNING ZONE	REV. 4	03/99
APPENDIX L	NUREG-0654/FEMA-REP-1 CROSS REFERENCE	REV. 10	02/00
APPENDIX M	DELETED (5/84)		
APPENDIX N	TYPICAL FEDERAL SUPPORT RESOURCES	REV. 10	02/00

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JAMES A. FITZPATRICK NUCLEAR POWER PLANT

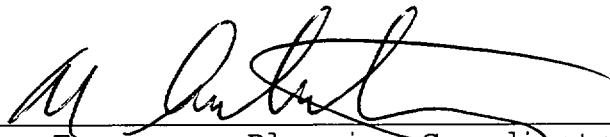
EMERGENCY PLAN VOLUME 1

PROCEDURE NO: SECTION 5

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Emergency Planning Coordinator

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5.0 ORGANIZATIONAL CONTROL OF EMERGENCIES

JAFNPP has established an emergency response organization to respond to radiological emergencies. That organization includes on-shift personnel, additional plant personnel who may be offsite, other Authority personnel, local services support, and private organizations support. The interfaces among the various emergency organizations are shown in Figure 5-1. The following sections describe in detail the NYPA plant and corporate organization and identify the interaction of the total emergency response organization.

5.1 Normal Operation Organization

The James A. FitzPatrick Nuclear Power Plant (JAFNPP) typical organization for normal operation (7:00 a.m. - 3:30 p.m. weekdays, excluding holidays) as shown in AP-01.05 (PLANT ORGANIZATION AND RESPONSIBILITIES*). The typical minimum shift crew at other times consists of:

- 1 Shift Manager (SRO)
- 1 Control Room Supervisor (SRO)
- 1 Senior Nuclear Operator (RO)
- 1 Nuclear Control Operator (RO)
- 4 Auxiliary Operators
Security Personnel in accordance with
Security Plan
- 2 RES Technicians (Health Physics and
Chemistry)
- 1 Shift Technical Advisor (STA)*
- * When required per commitments, and may include
SM or CRS who are STA qualified.

5.2 Onsite Emergency Organization

If initiating conditions exist that result in the declaration of an emergency, the Shift Manager will assume the role of Emergency Director and will be responsible for emergency direction and coordination. The normal operating organization will also assume their pre-assigned emergency response roles. This onsite emergency organization is shown in Figure 5-2. This is considered to be a short-term response organization that will be augmented within approximately one hour after call-out by additional plant personnel. The emergency response assignments for the onsite plant personnel are listed in EAP-17.

5.3 Augmented Onsite Emergency Organization

If an Alert, Site Area Emergency, or General Emergency is declared or if the minimum shift crew requires assistance during an Unusual Event the onsite emergency organization will be augmented by additional plant personnel. The augmented emergency organization is shown in Figure 5-3. The augmented emergency organization shall staff and operate the TSC, OSC and/or EOF within approximately one hour of the request for activation. Augmentation for an Unusual Event may consist of the entire or part of the defined organization for each facility requested, at the discretion of the Emergency Director.

Table 5-1 is included as a cross reference to NUREG-0654 B-1 staffing chart. This table describes the on-shift and augmented emergency assignments for JAFNPP staff.

As the onsite organization is augmented, the shift crew may concentrate on their shift duties or continue to assist in the emergency response roles and activate emergency facilities in accordance with the emergency class. At least two individuals are designated for each emergency position. The augmented emergency organization is presented with shift staffing in procedure EAP-43.

Each of the major functional areas is headed by a coordinator who in turn reports to the Emergency Director. The following sections describe the functions of each of these coordinators.

5.3.1 Emergency Director

The responsibility for emergency direction and control, emergency classification, authorization of emergency radiation exposures and the issuance of Potassium Iodide (KI), the decision to notify and recommend offsite protective actions and commitment of corporate resources is held by the Emergency Director during the emergency or initial phase of the event. These responsibilities associated with the position are non-delegatable. The Authority's Policy Statement in Appendix B sets forth the responsibility and authority of the Emergency Director.

The Emergency Director is responsible for the overall management and implementation of all onsite operations and procedures in support of the objectives of the emergency response and recovery operations. The Emergency Director has the au-

thority to immediately and unilaterally initiate any emergency actions that plant conditions may warrant.

The Emergency Director will perform the following:

1. Activate emergency facilities, as appropriate.
2. Initiate the notification of emergency personnel.
3. Direct the initiation of dose assessment and dose projection activities.
4. Implement appropriate notifications and make protective action recommendations to offsite authorities.
5. Implement corrective and protective actions onsite to bring the emergency under control and mitigate the consequences.
6. Continue to reassess emergency status and take appropriate actions.
7. Present information to be released in accurate descriptive manner and released through proper channels.
8. Authorize radiation exposures to emergency workers in excess of 10 CFR Part 20 limits, if required.
9. Request federal assistance, if needed.
10. Maintain (or have maintained) a log of important actions starting with the first notification of an emergency.
11. Assign technical liaisons to the State and County EOCs, as appropriate.
12. Authorize in concurrence with a Senior Reactor Operator (SRO) unanalyzed operation repairs and/or modifications to safety related equipment and systems, and changes that will effect Technical Specification per 10CFR50.54(x) and (y).

Initially the Shift Manager will assume the role of the Emergency Director. In that role he will ensure that the Site Executive Officer, or designated alternate, is promptly notified. He will retain that position until relieved of that responsibility by the Site Executive Officer, or his designated alternate. The alternates are:

General Manager - Operations, General Manager - Support Services, General Manager - Maintenance, any TSC Manager, any Operations Coordinator, any Shift Manager, and additional staff per EAP-43.

The Emergency Director's prime role will be at the EOF, when it is operational. If the Emergency Director leaves the TSC and is in transit to the EOF, it shall be the TSC Manager who acts as interim Emergency Director. TSC Manager may assume role of Emergency Director at other times as necessary.

5.3.2 Technical Support Center (TSC) Manager

The responsibility for control in the Technical Support Center is held by the TSC Manager. When the Emergency Director relocates to the EOF, the TSC Manager has overall in-plant responsibilities.

The TSC Manager will perform the following:

1. Direct the activation process of the TSC.
2. Ensure that notification of emergency personnel has been made.
3. Implement corrective and protective actions onsite to bring the emergency under control and mitigate the consequences.
4. Assess emergency status on a periodic basis and take appropriate actions.
5. Assist the public information personnel in transmitting accurate information.
6. Maintain (or have maintained) a log of important actions starting with the first notification of an emergency.

7. Direct the collection, trending and posting of relevant data.
8. Provide records and drawings to emergency personnel which describe, as built, conditions and layout of station structures, systems and components.
9. When the Emergency Director leaves the TSC in transit to the EOF and until his arrival at the EOF, it shall be the TSC Manager who acts as interim Emergency Director. The TSC Manager may assume the role of Emergency Director at other times as necessary.

5.3.3 Emergency Director Aide

The Emergency Director Aide is located in the TSC or EOF and has the responsibility to assist the Emergency Director or the TSC Manager. The Emergency Director Aide will perform the following:

1. Coordinate provisions for logistical support for emergency personnel.
2. Coordinate emergency organization staffing.
3. Provide and interpret plant information to the New York State representative in the EOF.
4. Provide for continuity of resources and personnel for 24-hour per day response.
5. Assure procedure compliance by personnel throughout the facility.

5.3.4 Emergency Operations Facility (EOF) Manager

The EOF Manager is located in the EOF and will perform the following:

1. Assure EOF is being activated in accordance with procedure EAP-14.2.
2. Assign 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.
 5. Ensure conferences between EOF Manager and Emergency Director and other staff are conducted as needed.
 6. Obtain emergency generator for EOF, as required.

5.3.5 Technical Coordinator

The Technical Coordinator is located in the TSC and will perform the following:

1. Provide technical support to the Control Room.
2. Advise the Emergency Director on technical matters.
3. Coordinate engineering tasks that may be needed to mitigate accident consequences.
4. Assist in collection, posting and dissemination of relevant data.

5.3.6 Emergency Maintenance Coordinator

The Emergency Maintenance Coordinator is located in the TSC and will perform the following:

1. Direct emergency maintenance operations.
2. Advise the Emergency Director on matters concerning emergency maintenance activities.
3. Recommend emergency maintenance actions to mitigate the emergency situation.
4. Direct the OSC Manager in the dispatching of in-plant teams.

5.3.7 Operations Coordinator

The Operations Coordinator is located in the Control Room or the TSC and will perform the following:

1. Direct plant operational activities.
2. Advise the Emergency Director on matters concerning plant operations.
3. Direct the Accident Management Team.

5.3.8 Radiological Support Coordinator

The Radiological Support Coordinator is located in the TSC and the EOF, and will perform the following:

1. Advise the Emergency Director on RES procedure applicability in emergency situation.
2. Perform onsite and offsite exposure projections/estimates.
3. Direct onsite and offsite radiological environmental surveys.
4. Evaluate survey results.
5. Provide technical advice to the Emergency Director concerning recommendations for onsite and offsite protective actions.

6. Direct offsite monitoring activities in coordination with state and local agencies.
7. Ensure that radiation protection equipment such as dosimetry devices, instrumentation and protective clothing is issued and controlled.
8. Provide plant and offsite radiological data on Attachments 1, 2 and 3 of EAP-1.1.

5.3.9 Communications and Records Coordinator

The Communications and Records Coordinator is located at the TSC and will perform the following:

1. Coordinate and ensure proper notification to offsite organizations.
2. Function as liaison for emergency-related communications between the Emergency Director and onsite and offsite emergency groups.
3. Maintain records concerning the emergency.
4. Transmit completed Attachments 1 through 3 of EAP-1.1 to NYS, Os. Co., EOF and Authority Headquarters on a half hour basis or upon change in emergency classification.

5.3.10 Security Coordinator

The Security Coordinator is located at the TSC and will perform the following:

1. Ensure that plant security is maintained.
2. Implement appropriate safeguard contingencies.
3. Implement personnel accountability.

5.3.11 Public Information Liaison

The Public Information Liaison will be located at the TSC or EOF. The Public Information Liaison will perform the following:

1. Supervise distribution of news releases within the facility.
2. Participate in the preparation of news releases.
3. Serve as a liaison between the TSC/EOF staff and the JNC staff.

5.3.12 JAFNPP Representatives to the State and County EOCs

Representatives from NYPA shall be sent to the State and County EOCs when requested and appropriate, or generally, during a Site Area or General Emergency. This individual shall provide the close liaison with plant technical staff so that the magnitude of the emergency can be more clearly conveyed to the EOC staffs.

5.3.13 Support and Staff Personnel

In addition to the key personnel described above, numerous support and staff personnel will participate in emergency response. These positions are shown on Figures 5-2 and 5-3. The personnel designated to fill the emergency positions are presented in EAP-17. Each of the persons assigned to an emergency position has received the training necessary to carry out the functions associated with that position.

The Emergency Planning Coordinator will work with the Training Manager, or his representative, in assigning an individual to an emergency position listed in EAP-17. The Training Manager will assure the individual receives the necessary training. Included in this group are the individuals who would be responsible for communications. These individuals have been designated communicators and appear on the augmented staffing charts.

5.3.14 Accident Management Team

A group of staff members in the Control Room (General Area) and Technical Support Center shall function as the Accident Management Team (AMT). The group will typically be made up of four or

five staff members with the Operations Coordinator as the lead (decision maker). Additionally, the complement may include the following ERO staff; Reactor Engineer, Rad Support Coordinator, Operations Liaison, a Parameter Assessment Advisor, and a System Assessment Advisor. The Shift Technical Advisor shall work with the AMT when the AMT is resident in the Control Room general area. These staff members will serve to function as evaluators. The AMT will organize whenever the TSC is activated and the Operations Coordinator requests their use. The AMT will review EOP and SAOG strategies as appropriate and as determined necessary by the Operations Coordinator.

5.4 Offsite Support Organizations

The onsite emergency organization will be augmented, if necessary, by corporate, local and private response personnel. The response of these groups is in accordance with their letters of agreement with JAFNPP (presented in Appendix C).

5.4.1 Authority Headquarters Support

The Authority will provide personnel from Headquarters to assist in the emergency response/recovery operations at JAFNPP. This support will be in accordance with Section 9 of this plan and Emergency Plan Implementing Procedures.

The Authority's Recovery Organization is shown in Figure 5-4. The Recovery Organization is under the overall direction of the Recovery Manager. The Recovery Manager shall be responsible for interfacing with government authorities when the focus shifts from response to recovery.

The Authority Headquarters will be notified by the plant of an emergency situation. Major portions of the divisions can be notified and placed on standby at the White Plains Office within 4 hours and at the JAFNPP site within 16 hours.

5.4.2 Local Services Support

The nature of an emergency may require the augmentation of onsite response groups by local services, personnel and equipment. Support from the following local organizations may be obtained:

- Oswego Hospital
- Oswego County Sheriff
- SUNY Health Science Center at Syracuse
- The City of Oswego (Fire Department)
- Oswego County E-911 Center (Fire Department)

Specific methods for notification of these organizations are contained in Emergency Plan Implementing Procedures.

5.4.3 Private Organization Support

JAFNPP may obtain emergency response support from various private organizations. These organizations and the support they may provide are:

1. Nine Mile Point Nuclear Station - Will provide use of laboratories, equipment and personnel for radiological monitoring, decontamination, backup communications, and personnel to assist in recovery operations.
2. R.E. Ginna Nuclear Power Plant - Will provide use of laboratories, equipment and personnel for radiological monitoring, backup communications, and personnel to assist in recovery operations.
3. Radiation Management Consultants - Will provide a Radiation Emergency Management Team, consultation or management of radiological medical emergencies, and use of a bioassay laboratory.
4. General Electric - Will provide technical support and personnel.

5.5 Coordination with Participating Government Agencies

5.5.1 State and Local Agencies

This section identifies the principal state and local government agencies having action responsi-

bilities for radiological emergencies in the vicinity of the JAFNPP. The radiological emergency response plans of these agencies describe their respective responsibilities, authorities, capabilities and emergency functions, and are included as part of this Plan. The following is a summary of the provisions for preparedness and response to radiological emergencies by each organization, as well as the primary and alternate methods of emergency notification.

1. New York State Emergency Management Office (NYSEMO)

The NYSEMO is the lead state agency for offsite coordination and response. NYSEMO coordinates the development of radiological emergency plans. The New York State emergency plan received Federal approval on February 1, 1985 and is entitled "New York State Radiological Emergency Preparedness Plan." See Appendix D for the locations of plan copies.

The New York State plan includes provisions for:

- Planning and coordination with local, state and federal authorities.
- Initial response to notification by JAFNPP.
- Alert and warning of local political subdivisions.
- Evacuation and other protective measures for local populations.
- Emergency services.
- Situation analysis.
- Declaration of a "State of Emergency" and provision of state resources to support protective response actions.

The New York State plan also contains emergency procedures to notify the local organizations which have action and/or support responsibilities under that plan.

The primary method of notification to NYSEMO is through the State Warning Point (SWP) via the Radiological Emergency Communication System (RECS). The SWP is located in Public Security Building #22 in Albany and is manned twenty-four

hours per day. Primary and backup telephone numbers are provided. In addition, backup communications are available from JAF via radio through Oswego County to the State Warning Point.

2. Oswego County Emergency Management Office (OCEMO)

The OCEMO is the lead local government agency for coordination and response. The OCEMO emergency plan entitled, "Oswego County Radiological Emergency Preparedness Plan" received Federal approval on February 1, 1985 and the locations of plan copies are contained in Appendix E.

The OCEMO plan contains provisions for:

- Notification and management of other emergency response personnel.
- Public notification and dissemination of information concerning the incident.
- Alert and warning of local officials.
- Implementation of protective response actions.

(The OCEMO Plan also contain the implementing procedures for an emergency response.)

The primary method of notification to the OCEMO is through Oswego County E-911 Center. The dispatcher is available for twenty-four hour per day communications. Backup radio communications are also available.

5.5.2 Federal Agencies

This section identifies the principal federal government agencies receiving notification of an emergency along with those that may be called on for assistance during an emergency. Typical resources available and additional information concerning Federal response are included in Appendix N "Typical Federal Support Resources."

1. U. S. Department of Energy (DOE)

The DOE, Brookhaven Area Office, will respond to requests from the Authority, Oswego County, and NYSDOH and provide assistance. This assistance consists of advice and emergency

action essential for the control of the immediate hazards to public health and safety as specified in the letter of agreement. As part of this emergency action, DOE will supply personnel and equipment in accordance with the Federal Radiological Monitoring and Assistance Program (FRMAP).

The primary method of notification to DOE is by telephone. Notification may also be made through the NRC. Upon notification, estimated arrival time of personnel is within four (4) hours.

2. Federal Emergency Management Agency (FEMA)

The Federal Emergency Management Agency has the lead responsibility for all offsite nuclear emergency planning and response. This agency is charged with establishing policy for and coordinating all civil emergency planning and assistance functions for executive agencies.

3. Nuclear Regulatory Commission (NRC)

The U. S. Nuclear Regulatory Commission is responsible for verifying that appropriate emergency plans have been implemented and for conducting investigative activities associated with a radiological emergency. An NRC Response Team will offer assistance during an emergency. Estimated time of arrival is within 3 hours. The Agency Procedures for the NRC Incident Response Plan (NUREG-0845) describes the functions of the NRC during an incident and the kinds of actions that comprise the NRC response.

5.6 Administrative and Logistics Support

During the response to a radiological emergency, it may be necessary to supplement the Authority's resources and/or provide response personnel with necessary support. Arrangements for this support which includes the means and sources for obtaining food, lodging, sanitation, office supplies, temporary offices, communications equipment, and vehicles in support of an extended or augmented emergency

response will be made by the Headquarters Administrative Services Department.

5.7 Figures, Forms, and Attachments

FIGURE 5-1 Emergency Organization Interface

FIGURE 5-2 Emergency Staffing - On Shift Response
Organization

FIGURE 5-3 Emergency Augmented Staff

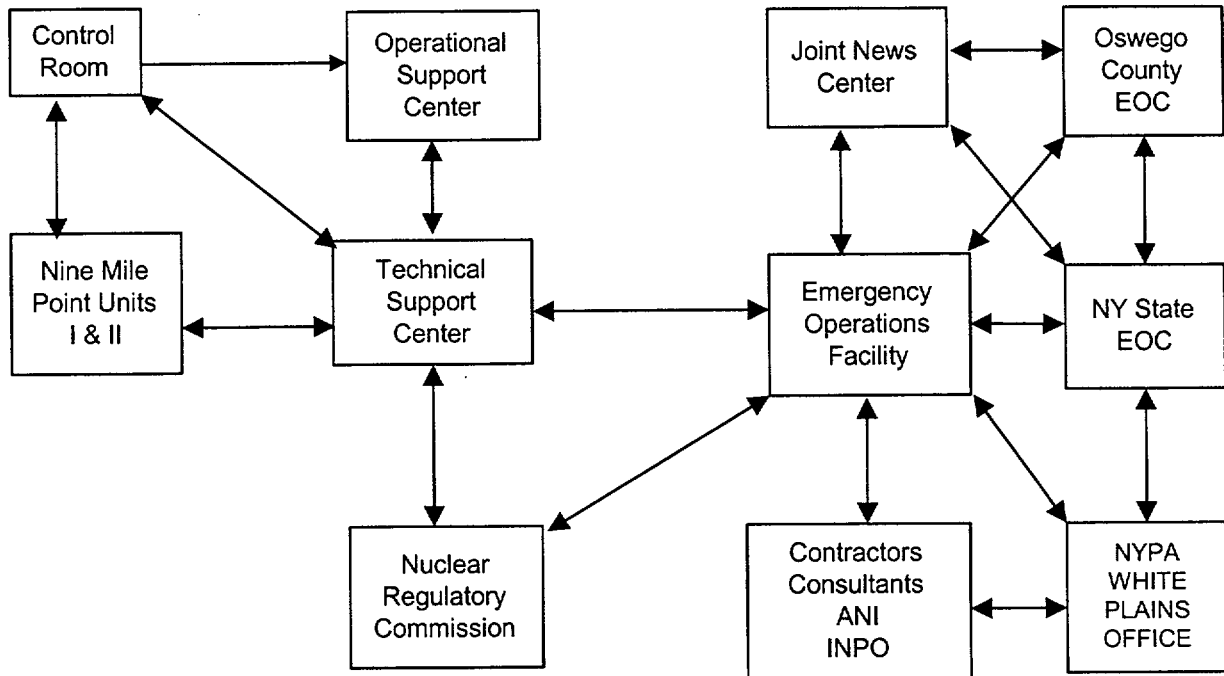
FIGURE 5-4 Typical Recovery Organization

TABLE 5-1 Plant Personnel - Emergency Activity
Assignments

NOTES FOR TABLE 5-1

FIGURE 5-1

EMERGENCY ORGANIZATION INTERFACE



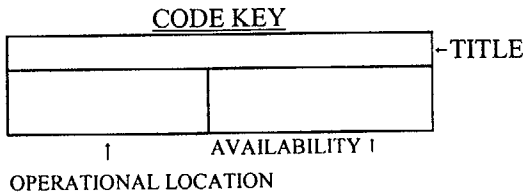
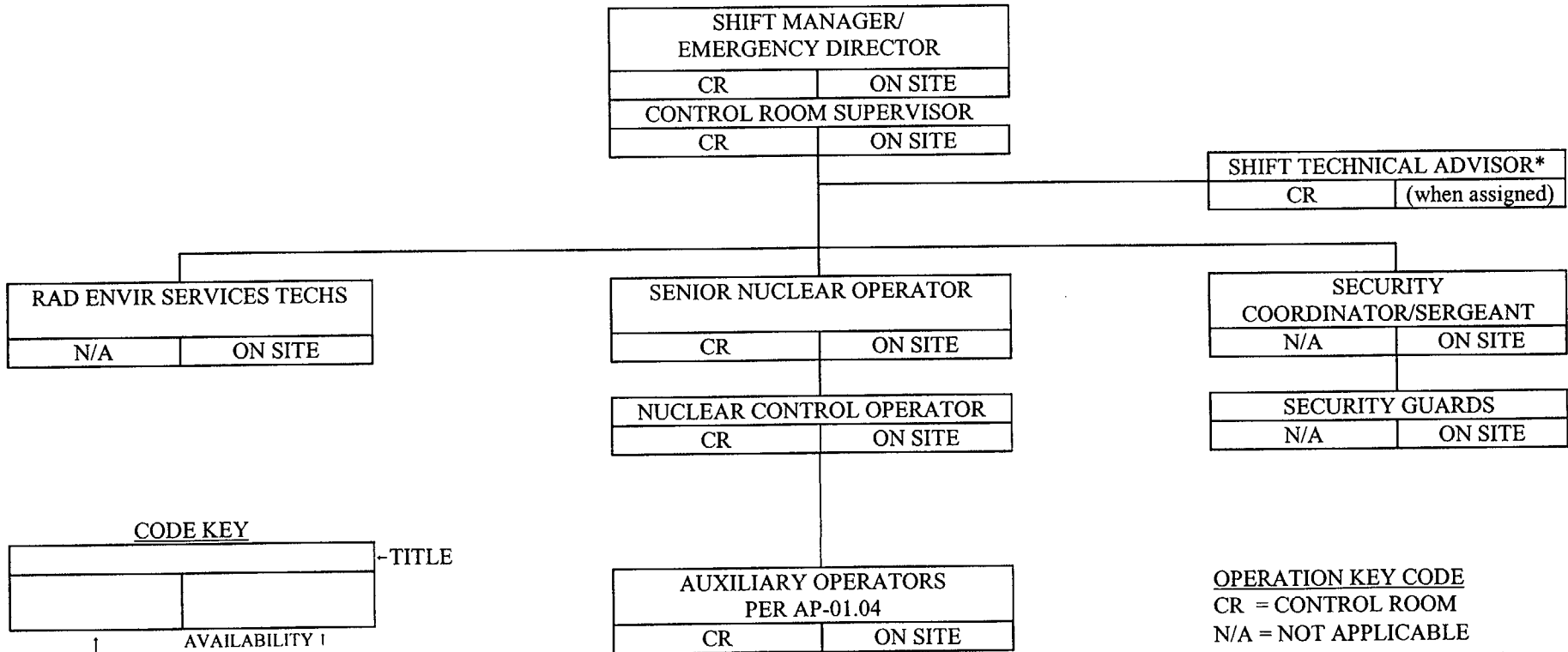
J. A. FitzPatrick Nuclear Power Plant
Emergency Plan
New York Power Authority

Figure 5-1
Emergency Organization Interface

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FIGURE 5-2

J.A.F.N.P.P. EMERGENCY STAFFING ON SHIFT RESPONSE ORGANIZATION



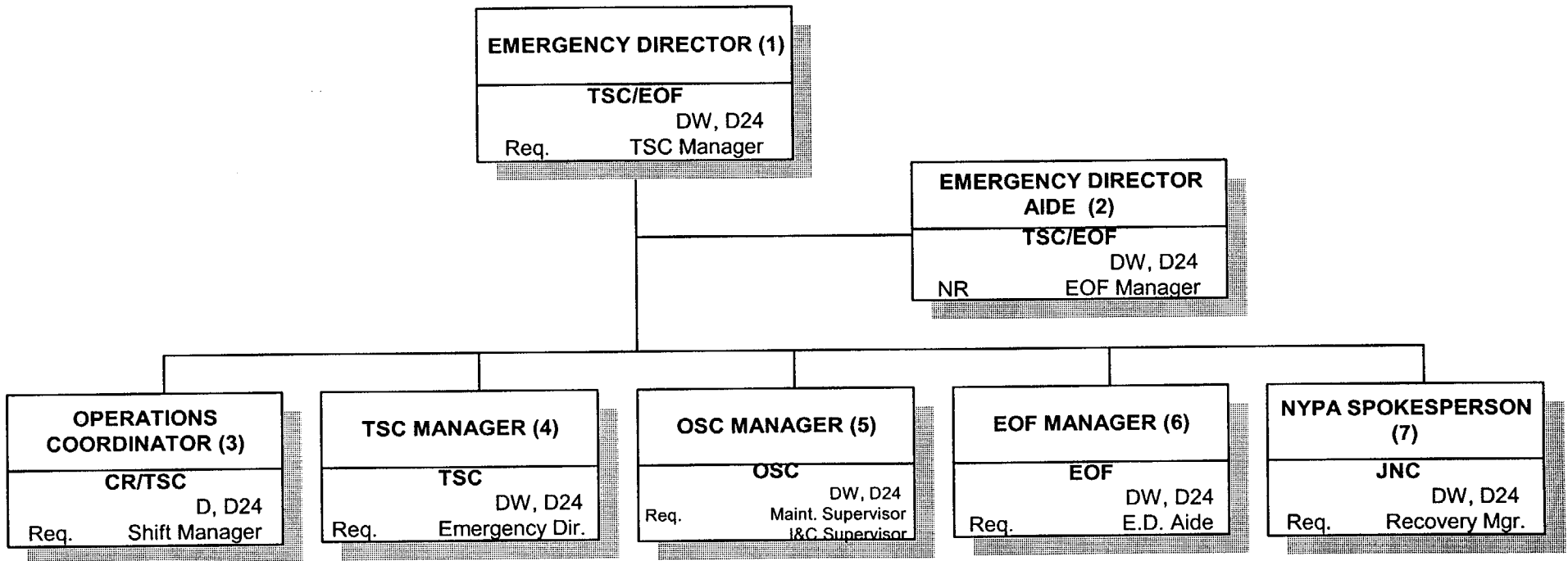
COMMAND CONTROL _____

OPERATION KEY CODE
 CR = CONTROL ROOM
 N/A = NOT APPLICABLE

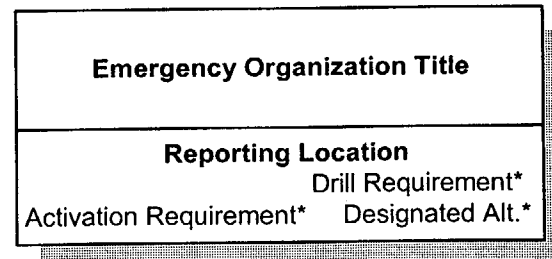
*S.T.A. may not be present under certain conditions, or role may be fulfilled by SM or CRS

FIGURE 5-3
EMERGENCY AUGMENTED STAFF

EMERGENCY AUGMENTED FACILITY LEADS

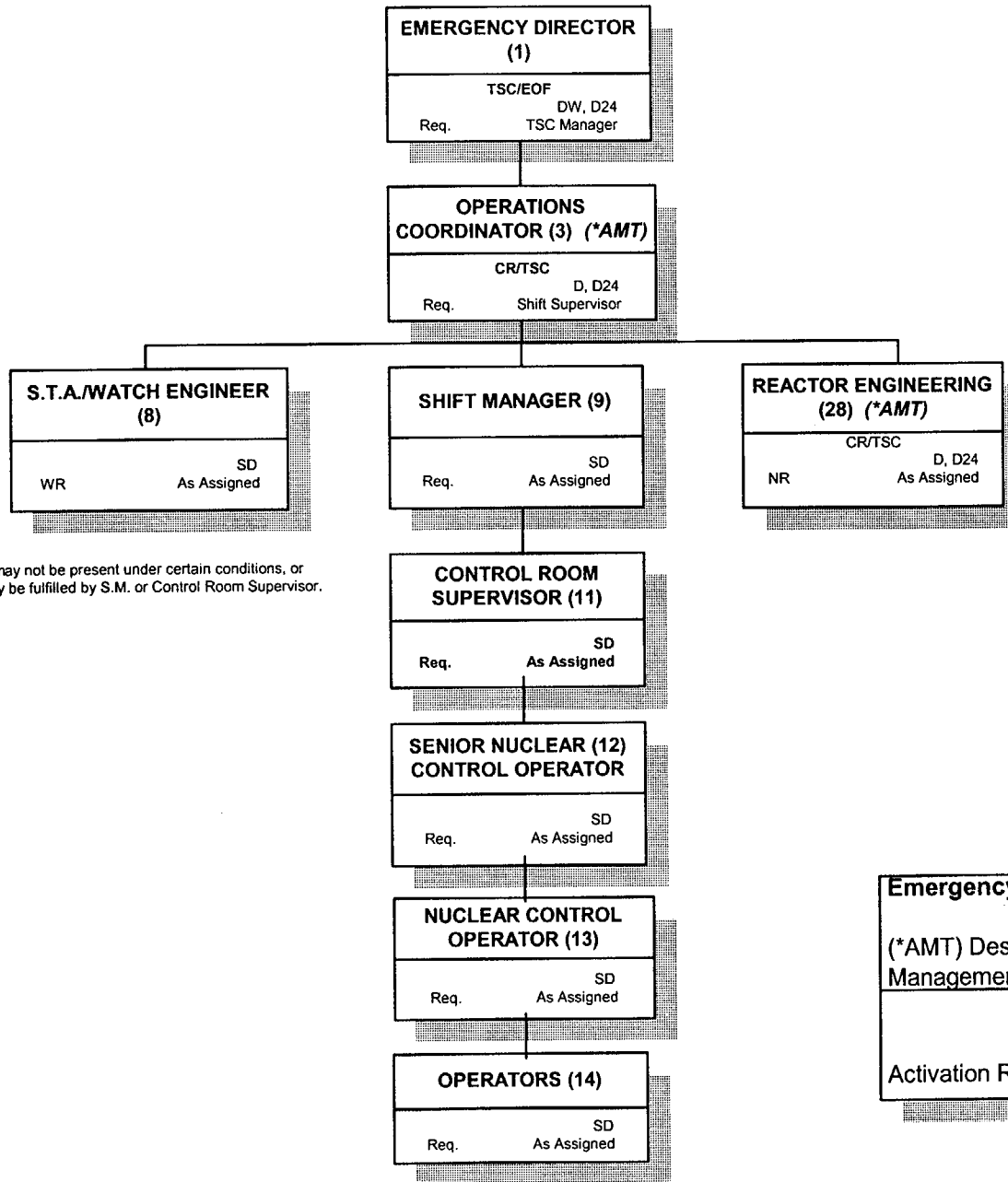


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*Explanation found in SAP-20, pages 46-52.

CR Emergency Augmented Staff



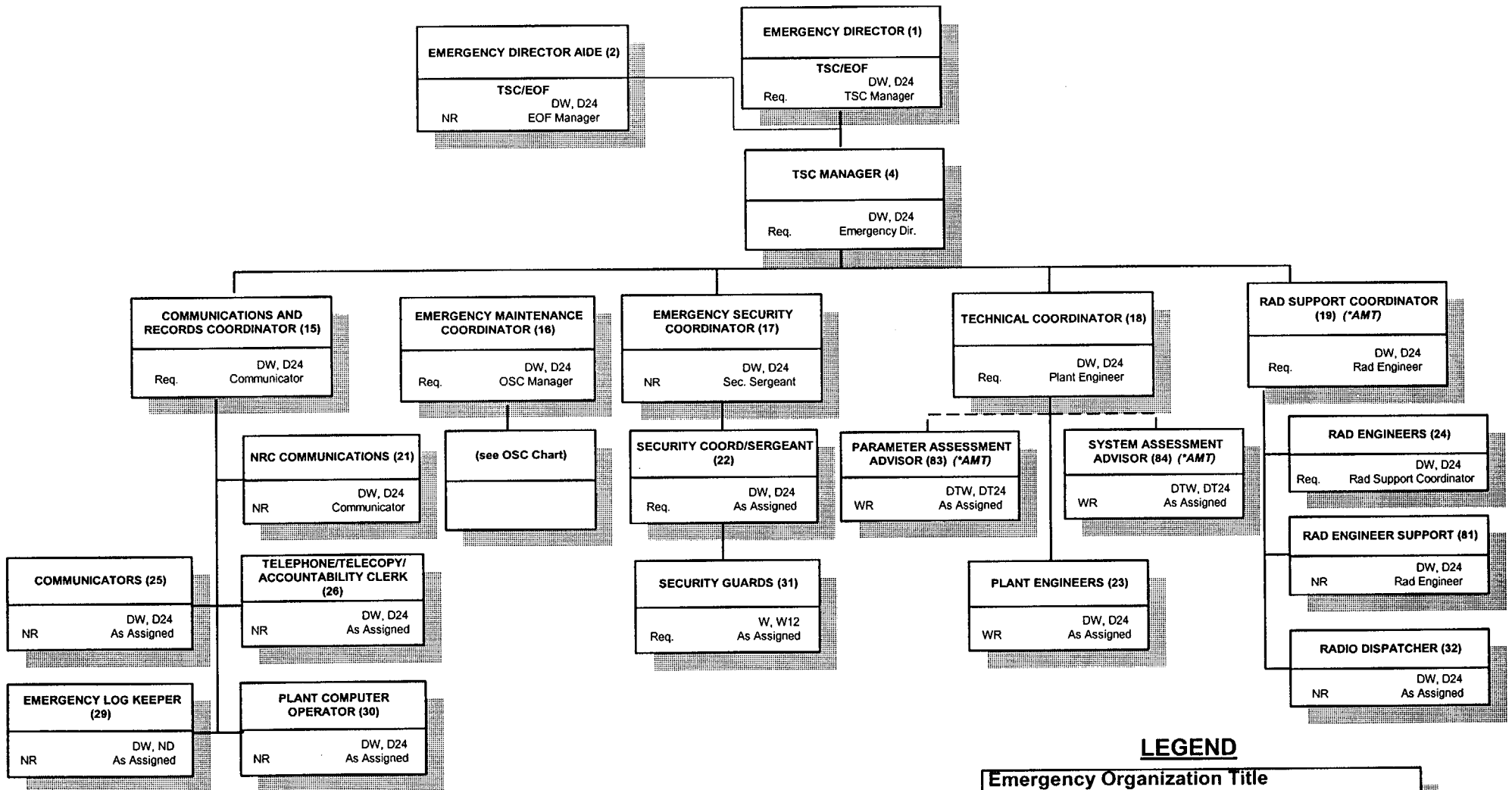
S.T.A. may not be present under certain conditions, or role may be fulfilled by S.M. or Control Room Supervisor.

LEGEND

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

FIGURE 5-3 (cont)

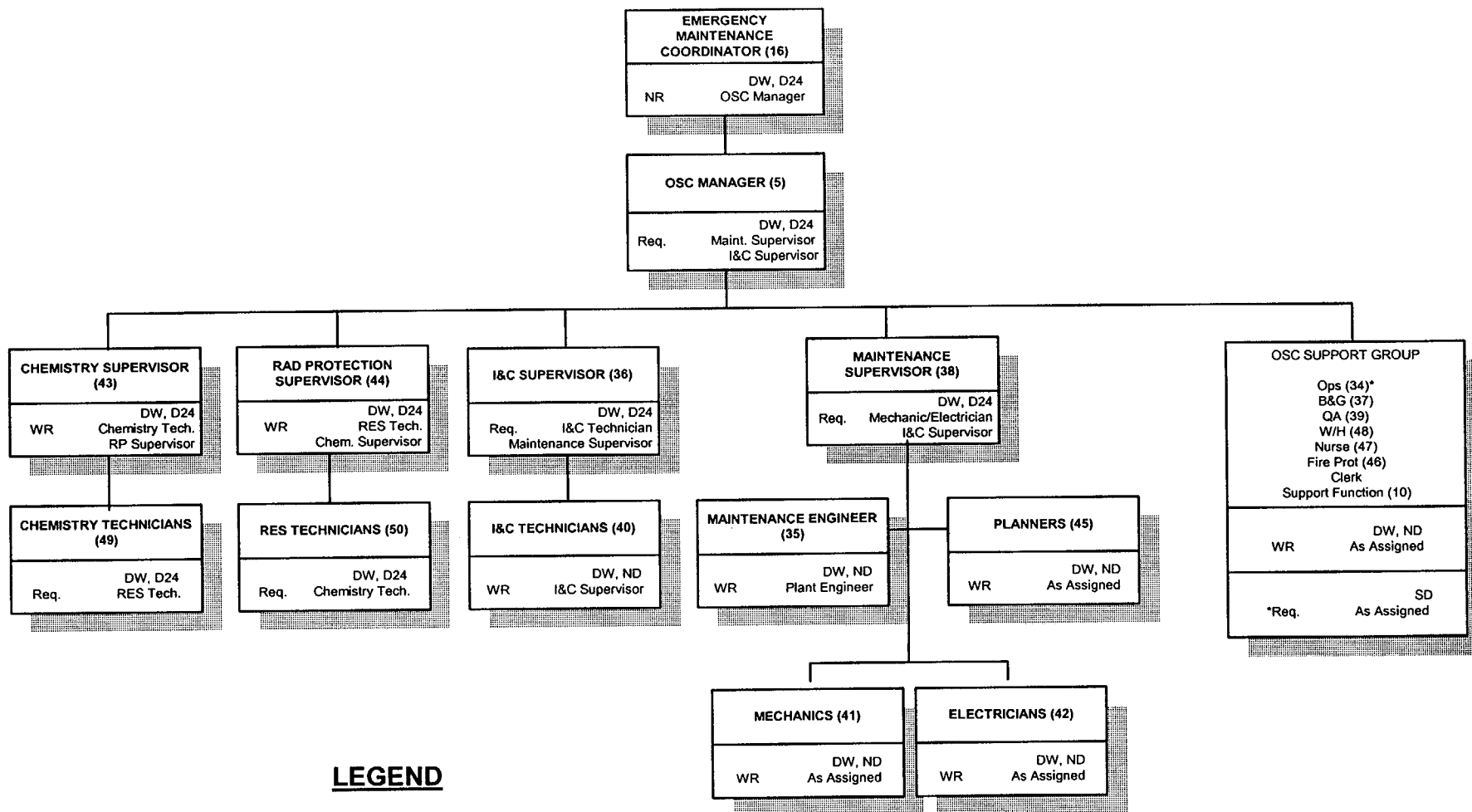
TSC Emergency Augmented Staff



LEGEND

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

OSC Emergency Augmented Staff



LEGEND

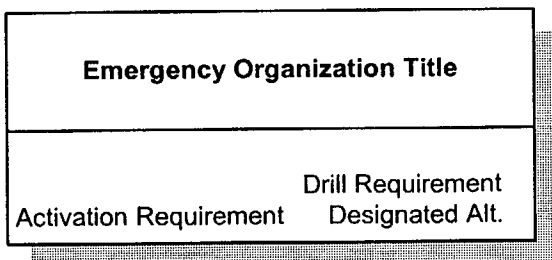
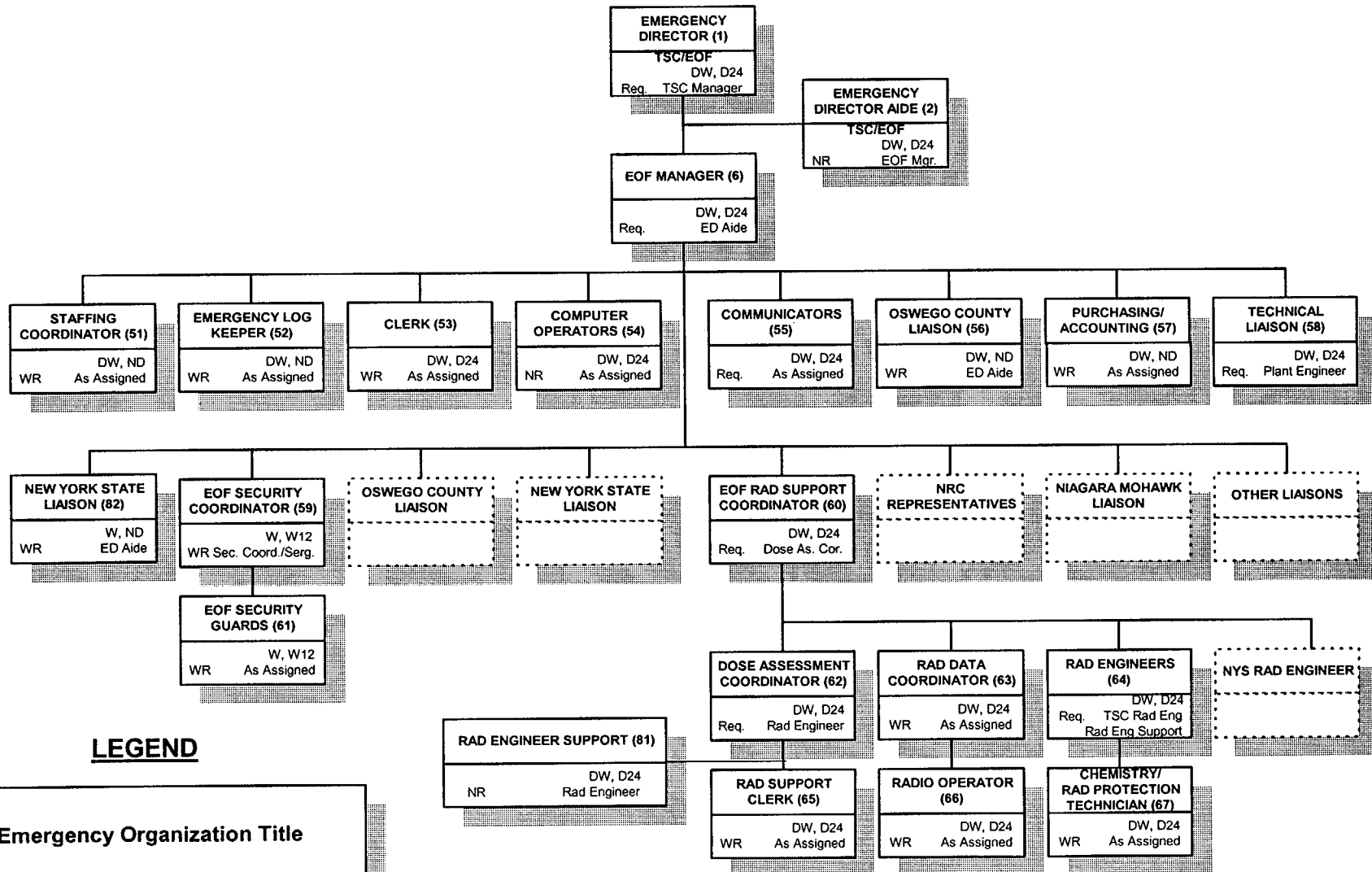


FIGURE 5-3 (cont)

EOF Emergency Augmented Staff

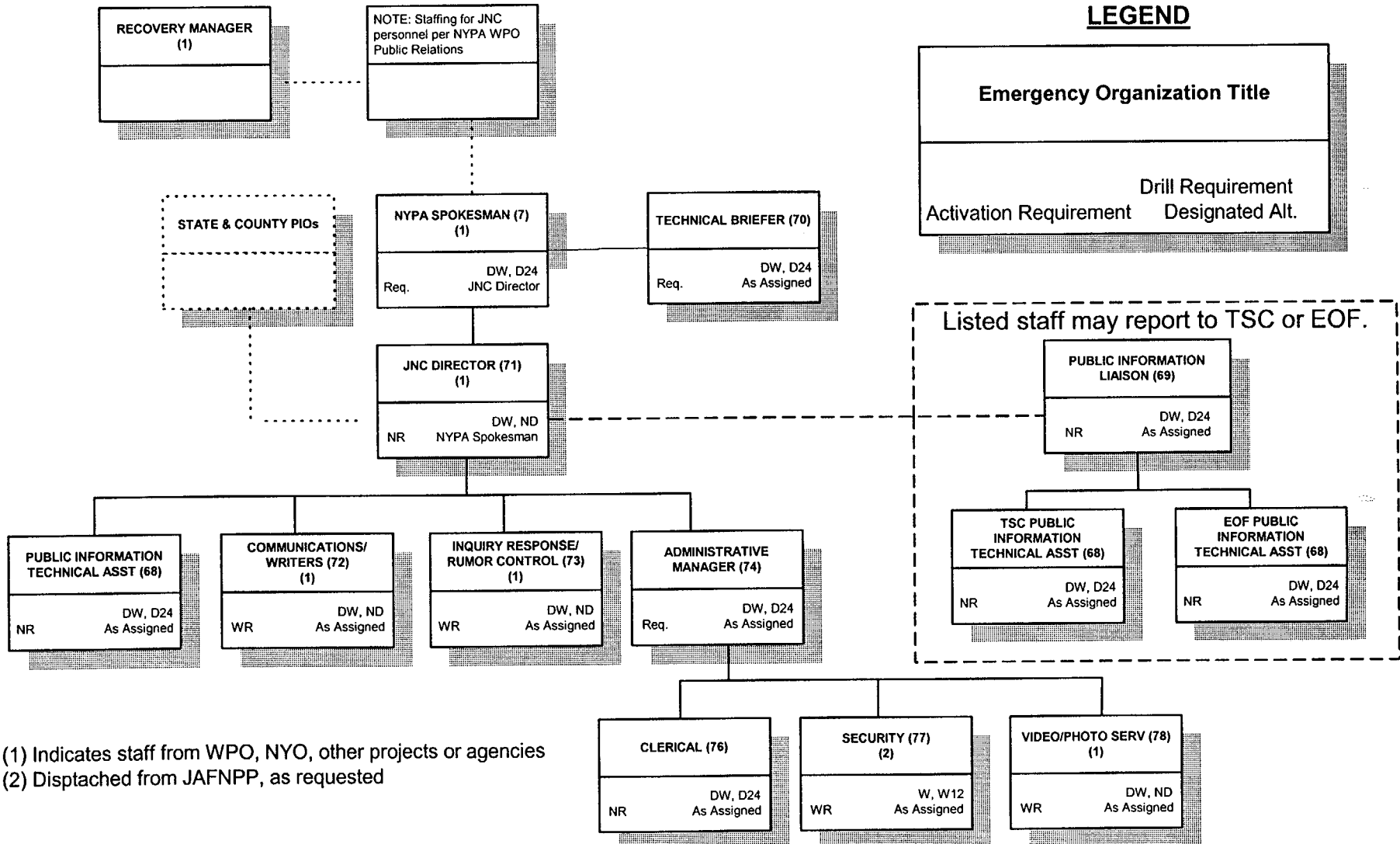


LEGEND

Emergency Organization Title	
Activation Requirement	Drill Requirement Designated Alt.

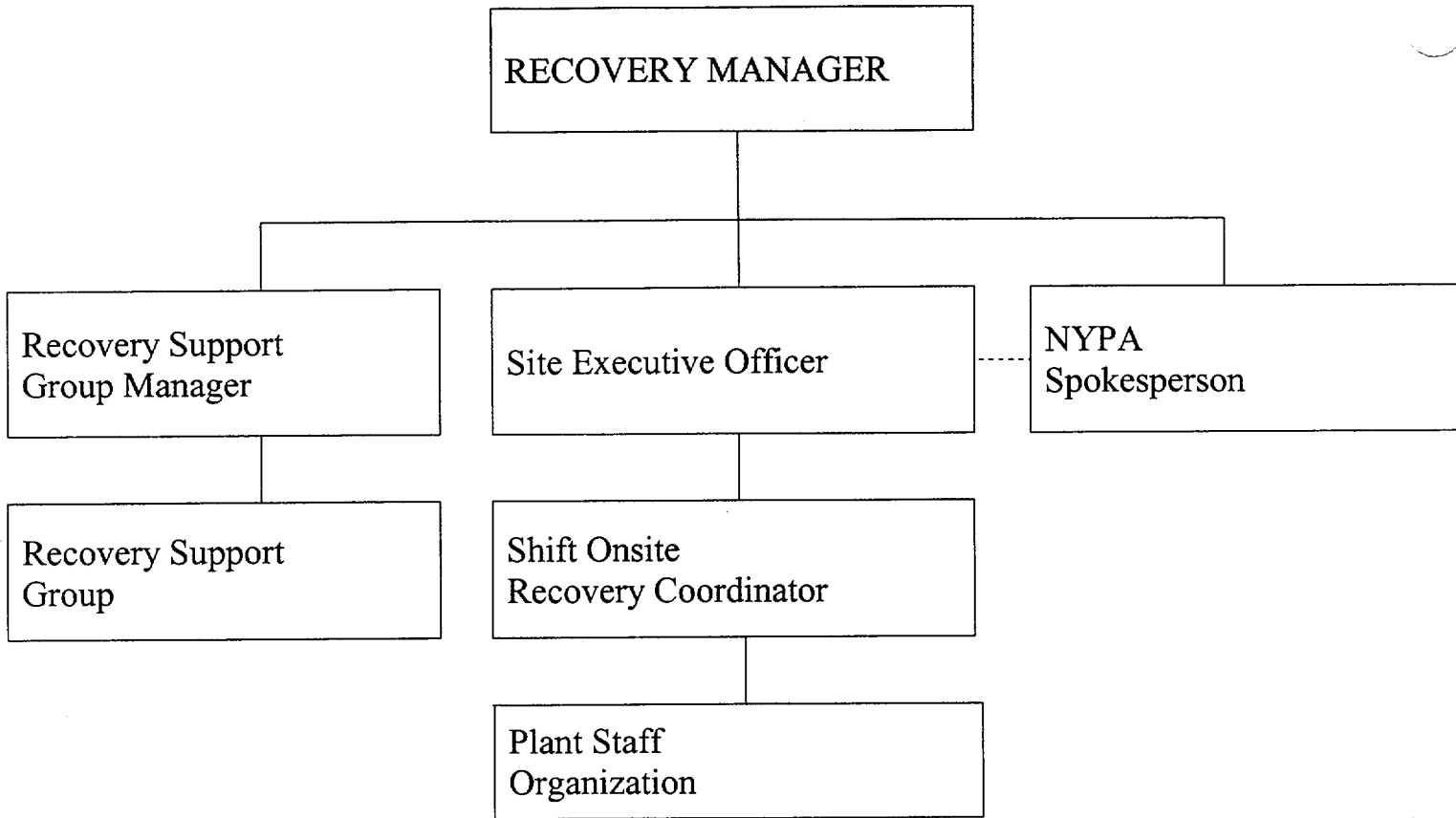
FIGURE 5-3 (cont)

JNC Emergency Augmented Staff



(1) Indicates staff from WPO, NYO, other projects or agencies
 (2) Disptached from JAFNPP, as requested

FIGURE 5-4 TYPICAL RECOVERY ORGANIZATION



———— Direction
----- Coordination

TABLE 5-1
PLANT PERSONNEL - EMERGENCY ACTIVITY ASSIGNMENTS

Major Functional Area	Major Tasks	JAFNPP Position, Title or Expertise	Number on Shift	Notes (on Following Page)	Number on shift required by B-1 chart	Number Available within 60 Minutes after call
Operations (Assessment of Operational Aspects)	Direct and perform actions to mitigate plant emergency conditions.	Shift Manager (SRO)	1	(A)	1	-
		Control Room Supervisor (SRO)	1	(A)	1	-
		Senior Nuclear Operator (RO)	1		1	-
		Nuclear Control Operator (RO)	1		1	-
		Auxiliary Operators	3		2	-
Emergency Director	Direct onsite emergency response.	Shift Manager (Site Executive Officer or Designated Alternate)	1*	(B)	-	-
Notification/ Communication	Notify Authority, State, local, and Federal personnel and maintain communication.	Operators Security Guard for NYPA Staff Notifications and Security Contacts	1	(C)	1	2
Radiological Accident Assessment	Direct dose projection, radiological surveys, interface with State.	Radiological and Environmental Services (RES) Manager or Other RES Supervisor	0	(D)	0	2
Radiation Protections Functions/ Radiological Surveys (Support of Operational Accident Assessment (In-Plant) Protective Actions)	Onsite (out-of-plant) survey In-Plant surveys. Out-of-Plant and offsite surveys. Chemistry/Radiochemistry offsite surveys. Radiation Protection Access Control H.P. Coverage for repair, corrective actions, search and rescue, first aid and fire fighting. Personnel monitoring Dosimetry	RES (H.P.) Technician	1	(E)	1	8
		RES Technician (HP/Chem)	1		1	1

TABLE 5-1 (CONT)
 PLANT PERSONNEL - EMERGENCY ACTIVITY ASSIGNMENTS

Major Functional Area	Major Tasks	JAFNPP Position, Title or Expertise	Number on Shift	Notes (on Following Page)	Number on shift required by B-1 chart	Number Available within 60 Minutes after call
Plant Systems Engineering	Technical Support	Shift Technical Advisor	1	(A)	1	-
		Core Thermal/Hydraulic	0		0	1
		Electrical Engineer	0		0	1
		Mechanical Engineer	0		0	1
Repair and Corrective Actions	Access and correct in-plant conditions.	Mechanical Maintenance	0	(F)	0	2
		Electrical Maintenance	1*	(F)	1*	2
		Instrument and Control Tech.	0	(F)	0	1
		Rad Waste Operator	1*	(G)	1*	-
Fire Fighting/Rescue Operations and First Aid	- Combat fires - Search & Rescue - First Aid	Plant Fire Brigade	5	(H)	N/A	Local Support via Oswego County Fire Coordinator & Oswego Hospital
		Search and Rescue Brigade		(I)		
		First Aid Team		(J)		
Site Access Control, Security and Personnel Accountability	Maintain site access, security, and perform accountability.	Security Force			Per Security Plan	

B-1 Staffing Chart Notes

* Indicates that position may be provided by shift personnel assigned other functions.

The B-1 Staffing Chart appears in NUREG-0654 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants", pages 37 and 38.

PLANT PERSONNEL - EMERGENCY ACTIVITY ASSIGNMENTS

NOTES FOR TABLE 5-1

- A. May include a SM or CRS as the S.T.A.
- B. The Shift Manager performs the duty of the Emergency Director until relieved by the JAFNPP Site Executive Officer or alternate.
- C. Operators may be designated to notify NYPA, Local, State, and Federal Officials; operators and security guards may be designated to notify emergency plant staff.
- D. On-shift Radiological and Environmental Services technicians are directed by Shift Manager/Emergency Director until the arrival of RES Department supervision.
- E. RES technicians are trained for offsite, onsite and in-plant surveys. RES technicians are brought to the plant to supplement on-shift personnel using a call-out procedure.
- F. Emergency Mechanical, Electrical and Instrument & Control Maintenance requires call-in of applicable departmental personnel to conduct tasks. Normal operations shift personnel can conduct limited emergency mechanical, electrical and Instrument & Control work.
- G. The radwaste operator is an on-shift auxiliary operator.
- H. The JAFNPP Fire Brigade complement is an Control Room Supervisor or Senior Nuclear Operator, 2 auxiliary operators and 2 security guards.
- I. The JAFNPP Search and Rescue team is composed of the JAFNPP Fire Brigade.
- J. The JAFNPP First Aid Team is composed of an Control Room Supervisor or Senior Nuclear Operator, one operator, one security guard and one RES Technician.

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NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN VOLUME 1

PROCEDURE NO.: SECTION 8

TITLE: MAINTAINING EMERGENCY PREPAREDNESS*

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SECTION 8
MAINTAINING EMERGENCY PREPAREDNESS*

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SECTION 8

MAINTAINING EMERGENCY PREPAREDNESS*

8.0 MAINTAINING EMERGENCY PREPAREDNESS

Emergency preparedness is maintained at the JAFNPP through administrative controls designed to; (1) train and periodically retrain NYPA personnel, and offsite emergency organization personnel, (2) evaluate onsite and offsite proficiency and provide hands on experience through drills and exercises, (3) ensure that plans and implementing procedures are in place and current through document control procedures, (4) maintain sufficient stores of functional emergency equipment and supplies through equipment inventory procedures, (5) and maintain public and news media awareness of emergency preparedness through annual information updates and meetings with members of the media.

8.1 Responsibility for Maintaining Emergency Preparedness

The Site Executive Officer has overall authority and responsibility for radiological emergency response planning. The Emergency Planning Coordinator (EPC) is delegated the overall authority and responsibility for radiological emergency response planning and has the responsibility for developing and updating emergency plans and implementing procedures.

Primary duties of the EPC or Assistant EPC include coordination of training with the Training Manager and with offsite organizations, scheduling and coordination of drills and exercises, maintenance of plans and implementing procedures, and maintenance and inventory of emergency equipment. The EPC usually delegates the responsibilities for maintenance and inventory of emergency equipment to the Assistant EPC.

The JAFNPP Training Manager is responsible for ensuring that all personnel who have emergency plan duties at the JAFNPP receive the appropriate emergency preparedness training.

The Fire Protection Supervisor and Training Manager shall coordinate the scheduling of training of onsite personnel and provide for the training of all offsite fire support personnel.

The Manager of Communications shall be responsible for coordinating, scheduling and administrating news organization training.

The Oswego County Director of Emergency Management is responsible for planning and conducting emergency preparedness training for emergency response personnel in Oswego County.

The NYPA Director - Regulatory Affairs and Special Projects (White Plains Office) is responsible for ensuring that corporate personnel who have emergency plan duties supporting JAFNPP receive the appropriate emergency preparedness training.

Individuals responsible for Emergency Planning are trained in accordance with paragraphs 8.2 and 8.3. In addition, the EPC receives training by: attendance at Emergency Planning Workshops conducted with other utilities and attendance at NRC, FEMA and other government sponsored Emergency Planning seminars and, participation in JAFNPP specific training programs related to emergency preparedness.

8.2 Training of Emergency Personnel

Plant personnel, participating corporate personnel, and offsite response organization personnel that respond to onsite requests for assistance receive emergency response training in accordance with their roles in an emergency.

The JAFNPP Training Department shall maintain a centralized records program concerning Emergency Plan Training Documentation. Records will include classroom training for plant personnel, and records documenting drills and exercises.

The following curriculum shall be completed by individuals on the Authorized Access List.

- a. Overview of the Emergency Plan, include planning objectives, emergency organizations and facilities, the existence of coordinated procedures and the ability of the Emergency Organization to mitigate the consequences of emergencies.
- b. Site alarms and general responses.
- c. Onsite and offsite evacuation routes, evacuation procedures and assembly areas, and decontamination of personnel and vehicles.
- d. Reporting of fires, injuries, spills and other emergency conditions.
- e. Accountability procedures.

- f. Emergency classifications.
- g. Rumor control.

Personnel assigned to the JAFNPP with specific emergency preparedness duties and responsibilities shall receive specialized training for their respective assignments. The types of training given in conjunction with Emergency Preparedness are:

- a. Training for directors, coordinators, and personnel responsible for Accident Assessment
- b. Emergency Communications training
- c. Training for Radiological Monitoring Teams and Radiological Analysis personnel
- d. Emergency access control, evacuation and accountability
- e. Search and rescue/first aid response
- f. Emergency repair/corrective actions
- g. Training for onsite fire fighting personnel
- h. Medical support personnel
- i. Offsite fire fighting personnel
- j. Severe Accident Management training

Figure 8.1 presents a summary of the emergency response training program including type of training, personnel receiving training, frequency of training and retraining, applicable procedures, and objectives of the training. Details of the emergency planning training program can be found in Training and Procedure TP-4.05, EMERGENCY RESPONSE TRAINING.

Training will include classroom training and where applicable practical training.

8.2.1 Annual Review of Emergency Action Levels

The Emergency Planning Coordinator, in accordance with 10 CFR 50, shall conduct an annual review of the JAFNPP Emergency Action Levels (or changes to those EALs from the prior review cycle) with appropriate representatives of New York State and Oswego County. Reviews will be documented by memorandum.

8.3 Drills and Exercises

An exercise is an event that tests the integrated capability and a major portion of the basic elements existing within emergency preparedness plans and organizations.

Drills and exercises provide the means to evaluate training effectiveness under simulated emergency conditions, skills developed during training, reinforce correct actions and identify and correct shortcomings in training, equipment, or procedures.

8.3.1 Drills

A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. A drill is often a component of an exercise. A drill may also be tabletop supervised instruction or role-playing.

The Emergency Planning Coordinator is responsible for the conduct of drills listed in Figure 8.2 (except Fire Fighting drills which are the responsibility of the Fire Protection Supervisor).

Drills shall be conducted using the following guidelines:

- a. Drills are planned in advance using formal scenarios (except communications drills which are performed by a single individual).
- b. Observers/evaluators, and/or controllers are designated and briefed in advance, as required.
- c. Drill critiques are conducted and the results of the critique along with observer, evaluator, controller and participant comments are utilized to evaluate and resolve any identified shortcomings.
- d. Major elements of the JAFNPP Emergency Plan are tested within a five-year period.
- e. At least once per six-year period an exercise starts between 6:00 p.m. and 4:00 a.m.
- f. Exercises are conducted under various weather conditions.

8.3.2 Exercises

The Emergency Planning Coordinator is responsible for the coordination and conduct of exercises. Exercises are conducted at least once every two years in accordance with NRC and FEMA rules. Detailed guidance for the conduct of exercises is contained in procedure SAP-1, MAINTAINING EMERGENCY PREPAREDNESS. In summary the following criteria apply to exercises conducted at JAFNPP.

Exercises will be conducted using the same criteria as applied to drills and in accordance with the Figure 8.2 Schedule of Drill Performance as summarized below:

- a. The JAFNPP Exercise should include simulated offsite radiological releases.
- b. Federal, State, and Authority observers/evaluators may be present.
- c. Exercises are planned in advance using formal scenarios.
- d. Scenarios shall be reviewed and approved in advance by the Emergency Planning Coordinator and a representative from the Plant Operating Review Committee or senior management reviewer. The reviewer should have plant experience and have participated in an SRO training program or have a current SRO license.
- e. Observers, evaluators and controllers are designated and briefed in advance.
- f. Unannounced exercises are controlled through input of initiating events by controllers.
- g. Observers, evaluators, controllers and participants comments form the exercise documentation package.
- h. The NRC/FEMA critique is factored into the exercise documentation package (when applicable).
- i. The exercise documentation package is used as a basis to evaluate shortcomings and develop a plan to correct deficiencies through additional training or equipment or procedure revision.

8.3.3 Drill and Exercise Scenario Preparation Responsibilities

The development of drills and exercises for JAFNPP shall be coordinated by the JAFNPP Emergency Planning Coordinator. The JAFNPP General Manager - Operations shall have the responsibility of having developed plant specific data. The JAFNPP Emergency Planning Coordinator shall have the responsibility for ensuring plant specific radiological data is provided. Exercise Scenario preparation shall be conducted by a committee and documented by the EPC. Drill or tabletop drill scenarios can be developed by a single individual. Committee members are responsible for comments regarding scenarios under preparation.

8.4 Document Maintenance

8.4.1 Plans and Procedures

The JAFNPP Emergency Plan and Procedures will be maintained in the format and by the method specified in JAFNPP Administrative Procedure AP-02.03, EMERGENCY PREPAREDNESS. This procedure delineates the following:

- a. Responsibilities (for Emergency Plan Maintenance),
- b. Format,
- c. Review and approval.

This procedure documents that review and updating of the JAFNPP Emergency Plan and Implementing Procedures are primarily the responsibility of the Emergency Planning Coordinator (EPC). The Plan shall be updated periodically, based on recommendations resulting from exercises, drills, changes in operating procedures or conditions, or changes in regulatory or other requirements.

Technical Support Guidelines for Severe Accident Management are free form reference guides that do not have the same format, review and approval as listed above.

8.4.2 Letters of Agreement

The EPC will ensure that letters of agreement from all participating organizations are reviewed and recertified. Recertification may include a written recertification, purchase order documentation, memo form, or a memo of a telephone conversation. The JAFNPP Site Executive Officer is the individual with the authority and responsibility to make agreements with utility and non-utility organizations.

8.4.3 Reviews

8.4.3.1 An independent review of the JAFNPP emergency preparedness program shall be conducted and documented by the NYPA Quality Assurance Division in accordance with Quality Assurance Division Procedures at least once per year. The review shall satisfy the review requirements of NUREG-0654 and the review requirements of 10CFR50.54(t) and shall include an evaluation for adequacy of interfaces with State and local governments and of JAFNPP drills, exercises, capabilities and procedures. The results of the review shall be forwarded to the JAFNPP Emergency Planning Coordinator, the JAFNPP Site Executive Officer, and the NYPA Chief Nuclear Officer. The part of the review involving the evaluation for adequacy of interface with State and local governments shall be made available to New York State and Oswego County. The EPC shall be responsible for coordinating changes to the emergency preparedness program which result from the review. Results from the review shall be retained for a minimum of five (5) years in accordance with plant Administrative Procedures.

8.4.4 Supporting Documents

A list of supporting documents is contained in Appendix J, SUPPORTING DOCUMENTS. Documents on this list will be maintained in the manner specified by the agency the supporting document is received from.

8.5 Maintenance and Inventory of Emergency Equipment and Supplies

Periodic testing, calibration and inventory of emergency equipment and supplies is conducted in accordance with Emergency Plan Implementing Procedure SAP-2, EMERGENCY EQUIPMENT INVENTORY. The Emergency Planning Coordinator or his designated alternate shall conduct an annual review of this procedure to ensure the operational readiness of emergency equipment and supplies.

Emergency equipment and instrumentation shall be inventoried, inspected and operationally checked monthly, quarterly, or semiannually as indicated by the procedure and after each use. Sufficient reserves of equipment and instrumentation are stocked to replace emergency equipment and instrumentation removed from service for calibration and/or repair.

Appendix I, EMERGENCY EQUIPMENT KITS presents a list of emergency equipment and instrumentation and emergency equipment kits.

Records detailing the testing, calibration and inventory of emergency equipment and supplies shall be maintained for two years.

Communications checks and drills will be conducted in accordance with SAP-3, EMERGENCY COMMUNICATIONS TESTING. This procedure specifies that certain emergency telephones and telephone numbers shall be verified at least quarterly.

8.6 Maintenance of Public and News Media Awareness

8.6.1 Public Awareness

NYPA, in conjunction with the Niagara Mohawk Corporation, New York State EMO, and the Oswego County EMO, has established an information program for the permanent residents and transient population within the Plume Exposure EPZ. The information provided emphasizes the means of notification and subsequent actions to be taken in the event of an emergency at the JAFNPP (or NMPNPS), and includes information on contacts for additional information and protective measures. Refer to Appendix H, PUBLIC INFORMATION PROGRAM for detailed information.

Information is distributed to permanent residents by various methods, including mailings to their residence or placement in local telephone books. Postings in public areas and places of business frequented by the transient population is the principal method for informing those individuals.

Public postings are updated as necessary and public distribution shall be conducted at least annually, or a frequency to coincide with telephone book distribution.

8.6.2 Residents Who May Require Special Care

Information for residents who may require special care (i.e. handicapped, elderly, etc.) is included with the annual mailing sent to the resident population. Along with this information is a card that is requested to be returned if an individual requires special care. A list of these individuals is maintained by the OCEMO for their use.

8.6.3 Rumor Control

Rumor control is conducted by a telephone answering system that may include both mechanical or electronic devices as well as operators for the answering of calls from the public.

8.6.4 News Media Awareness

News media awareness is completed by meeting with representatives annually in conjunction with Oswego County, Niagara Mohawk, and New York State, or other means, as necessary. These meetings provide information concerning radiation, emergency planning, and the means established for the release of information to the news media during an emergency. In addition, media manuals are distributed to media organizations, as necessary.

8.7 Figures, Forms and Attachments

Figure 8-1 Emergency Response Training

Figure 8-2 Schedule of Drill Performance

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Emergency Plan Indoctrination for Non-Essential Personnel	Personnel requiring regular access to the site.	Initial access and each calendar year.	Indoctrination and training procedures. TP-4.05 and TP-4.01.	Ensure Ability to: a. Report emergency conditions correctly and expeditiously. b. Recognize and recall the significance of site alarms. c. Evacuate affected areas and the site. d. Locate and assemble in designated assembly areas. e. Facilitate personnel accountability process. f. Rumor Control. g. Overview of JAFNPP Emergency Plan.
Emergency Plan Indoctrination for Essential Personnel	Essential personnel who may be assigned to specific response functions in JAFNPP Emergency Plan.	Before assuming position, annually thereafter.	TP-4.05	The objective of Emergency Plan Indoctrination for Essential Personnel shall be to provide Emergency Response Personnel a more detailed knowledge of the plant Emergency Plan and Procedures to ensure these personnel are familiar with their scope, applicability, and implementation.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Emergency Plan Training for directors, coordinators, and personnel responsible for accident assessment	Designated Primary and Alternates a. Emergency Director b. Emergency Director Aide c. EOF Manager d. Operations Coordinator* e. TSC Manager f. TSC Manager Aide g. Technical Coordinator h. Offsite Liaisons	Before assuming position Annually thereafter	TP-4.05	The objective of training for Emergency Directors/Coordinators shall be to ensure the capability for immediate response, assessment and the implementation of measures to prevent or mitigate the consequences of emergencies through effective management of the Emergency Organization.
*Licensed Operator training may be substituted for Emergency Director training.				
Emergency Plan Training for Licensed Operators and Shift Technical Advisors	Any personnel not listed above who are assigned to a position that requires a valid USNRC Operator License, or who are designated as STAs.	Before assuming position Annually thereafter	TP-4.05	The objective of Emergency Plan training for Licensed Operators and STAs shall be to ensure the capability for immediate response, assessment, and the implementation of measures to prevent or mitigate the consequences of emergencies.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Severe Accident Management Training	Designated Staff	Before assuming position Once every two years thereafter training or drill	TP-4.05	The objective of SAM training shall be to ensure the capabilities for coordination, assumption of responsibilities of actions associated with Severe Accident Operations Guidelines.
Emergency Plan Training for Non-Licensed Operators	Non-Licensed Operators	Before assuming position Annually thereafter	TP-4.05	The objective of Emergency Plan training for Non-Licensed Operators shall be to ensure the capability for immediate response by conducting measures to prevent or mitigate accident conditions.
Emergency Communications	Designated Primary and Alternates: a. Communications and Record Coordinator b. RECS Communicator c. NRC Communicator d. TSC Communicators e. EOF Communicators	Before assuming position Annually thereafter	TP-4.05	The objective of training for emergency communicators shall be to develop and maintain a group of Emergency Communicators qualified to operate emergency communication systems and effectively transmit emergency information and data to the applicable personnel and/or agencies.

FIGURE 8.1

EMERGENCY RESPONSE TRAINING

(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Radiological Assessment	Designated Primary and Alternates: a. Rad. Support Coord. (TSC & EOF) b. Chemistry Supervisor c. Dose Assessment Coordinator (EOF) d. Rad. Data Coordinator (EOF) e. Rad. Engineer (TSC & EOF) f. Rad Engineer Support (TSC & EOF) g. Rad Tech Support (JNC)	Before assuming position Annually thereafter	TP-4.05	The objective of training for radiological assessment personnel shall be to develop and maintain a group of personnel qualified to assess real or potential radiological hazards during emergencies in order to provide the Emergency Director with the necessary information and advice to make offsite protective action recommendations and mitigate radiological consequences.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Radiological Controls and Surveys during Emergencies	Designated Primary and Alternates: a) Radio Dispatcher (TSC) b) In-Plant Radiological Controls and Downwind Survey Teams c) In-Plant Dispatcher d) RES Technicians e) Rad Protection Supervisor	Before assuming position Annually thereafter	TP-4.05	The objective of training for radiological controls personnel shall be to develop and maintain a group of personnel qualified to measure real or assess potential radiological conditions during emergencies in order to provide radiological assessment personnel with the necessary information to assess or project radiological hazards both on and offsite.
EOF Radio Operators	Radio Operator (EOF)	Before Assuming Position Annually thereafter	TP-4.05	The objective of the training for EOF Radio Operators shall be to develop and maintain a group of personnel to communicate with downwind survey teams during emergencies, such that information and direction may be relayed to the team and data gathered from the team.

FIGURE 8.1

EMERGENCY RESPONSE TRAINING

(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Emergency Access Control, Evacuation and Accountability	Designated Primary and Alternates a. Plant Security Force b. Security Coord./ Sergeant c. Accountability Supervisor d. Security Coordinator (EOF)	Before assuming position Annually thereafter	TP-4.05	The objective of training in Emergency Access Control/ Evacuation and Accountability is to develop and maintain the station security force's ability to maintain personnel accountability, and ensure effective coordination of personnel movements, onsite and offsite, during an emergency.
Search and Rescue/First Aid Response	Plant Fire Brigade members.	Before assuming position Annually thereafter	TP-4.05 TP-4.02	The objective of training fire brigade members in Search and Rescue/First Aid Response is to assure that prompt medical attention is provided to contaminated, injured or ill personnel and to provide effective search and rescue capabilities for missing, trapped or injured personnel in an emergency situation.

FIGURE 8.1

EMERGENCY RESPONSE TRAINING

(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Emergency Repair/ Corrective Training Actions	Designated Primary and Alternates: a. Emergency Maintenance Coord. b. OSC Manager c. Maintenance Eng. d. Mechanics e. Electricians f. Instrument and Control Technicians g. I & C Supervisor h. Maint. Supervisor i. Planner j. Fire Protection Supervisor k. Q.C. Supervisor	Before assuming position Annually thereafter	TP-4.05	The objective of Emergency Repair/ Corrective Action is to develop and maintain a group of personnel capable of assessing and performing emergency repair or corrective action operations in-plant in an emergency situation.
Onsite Fire Fighting Personnel	a. Fire Brigade members and Supervisors as specified in the Fire Protection Procedures Manual b. Fire Protection Supervisor	Annually	TP-4.02	Develop well-trained fire brigade whose actions minimize injuries, property loss and damage and lost generation time.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>PROCEDURE</u>	<u>TRAINING OBJECTIVE</u>
Medical Support Personnel	a. Oswego Hospital Personnel b. Ambulance Drivers and Attendants c. Upstate Medical Center Personnel	Annually	TP-4.02	Ensure a high state of emergency preparedness and medical awareness of handling of contaminated injuries that may occur at a nuclear facility.
Offsite Fire Fighting Personnel	Designated personnel from those fire agencies which will most likely respond to a request for aid through Oswego County Fire Control.	Annually	TP-4.02	The objective of training for fire fighting personnel is to ensure that offsite individuals who may be called upon in an emergency to access the JAFNPP will be knowledgeable in applicable procedures and intended roles.

FIGURE 8.2

SCHEDULE OF DRILL PERFORMANCE

<u>FUNCTION</u>	<u>ELEMENT</u>	<u>FREQUENCY</u>	<u>PARTICIPANTS</u>	<u>CRITERIA</u>
Communication*	Function of Communications link to State and Local Governments	Monthly	Plant NY State Oswego Co.	Test in Accordance with SAP-3
Communication*	Function of Communications link to Federal Emergency Response Organization	Monthly	Plant ENS HPN NRC	Test in Accordance with SAP-3
Communication*	Function of Communications network out to field assessment personnel	Annually	Plant NY State Oswego Co. Plant Field Monitoring Teams County Field Monitoring Teams	Test in Accordance with annual exercise
Fire Fighting	Fire Brigade Response	Refer to FPPs	<u>Plant</u> - Operations Fire Brigade Misc. Personnel <u>Offsite</u> - Scriba FD (Mutual Aid)	In Accordance with Fire Protection Procedures Manual

FIGURE 8.2

SCHEDULE OF DRILL PERFORMANCE

(Continued)

<u>FUNCTION</u>	<u>ELEMENT</u>	<u>FREQUENCY</u>	<u>PARTICIPANTS</u>	<u>CRITERIA</u>
Medical Emergency	Treatment of Contaminated, injured person	Annually	<u>Plant</u> - Operations First Aid Team Misc. Personnel <u>Offsite</u> - Ambulance Personnel Hospital Personnel	In Accordance with written scenario per SAP-1.
Radiological Monitoring	Dispatching and directing survey teams to perform radiation surveys and collect environmental samples (air, soil, water, etc.).	Annually	<u>Plant</u> - Radiological Support Coordinator Radiological Monitors Other Support personnel	In accordance with written scenario per SAP-1.
Radiological Protection	Response to and analysis of airborne and liquid samples with simulated elevated radiation levels. Use of the post accident sampling system will be primary objective in this drill.	Semiannually	<u>Plant</u> - Radiological Support Coordinator Radiological Monitors Other Support personnel	In accordance with written scenario per SAP-1.

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NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN VOLUME 1

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SECTION 9

RECOVERY*

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SECTION 9

RECOVERY*

9.0 DISCUSSION

Actions taken during an emergency situation can be categorized into two general phases: response and recovery. Response actions are the corrective and protective actions taken to mitigate the consequences of an emergency event and to place the emergency under control. Recovery actions are longer-term actions taken to restore the plant and its impact on public health and safety, as nearly as possible, to pre-emergency condition.

Recovery is defined as that phase of the emergency response which occurs after the emergency conditions have been controlled and/or corrected, and the emergency terminated. Recovery consists of those actions required to restore the plant and its impact on public health and safety as closely as possible to pre-accident status; or to a safe, long-term shutdown.

The extent and nature of the corrective and protective measures and the extent of the recovery operations will depend on the emergency conditions at hand and the status of plant areas and equipment. In many emergency situations, the emergency condition may not involve significant plant damage, and thus the plant can be restored to normal operation without a definitive recovery phase and without extensive outside assistance. In the event of more extensive damage, a long-term recovery effort may be necessary, and the manpower and resources demanded by a long-term recovery will require the establishment of a recovery organization.

At the onset of an emergency condition, response actions to mitigate the consequences of the accident take precedence over recovery actions. The Emergency Director, in consultation with the Recovery Manager, may initiate some limited recovery operations during the response phase. When the emergency conditions are met to terminate, the Recovery Organization may be implemented.

The emergency shall be considered under control and in the Recovery phase only when the following general guidelines have been met:

- Reactor and associated systems are considered to be in a safe, stable condition;
- Radiation levels in all in-plant areas are stable or decreasing with time;

- Release of radioactive materials to the environment from the plant are under control or have ceased;
- Fire, flooding, or similar emergency conditions are controlled or have ceased.

The Emergency Director will make the determination of when an emergency condition is resolved and declare the termination of the emergency and initiation of Recovery.

If, following termination, the emergency situation recurs, the Emergency Director will reactivate the onsite emergency organization. Recovery efforts will be suspended until the Emergency Director and Recovery Manager direct them to resume.

9.1 RECOVERY ORGANIZATION

A Recovery Organization will be activated when a long-term recovery effort is required. Before entering the Recovery phase, the Recovery Manager should establish a Recovery organization that is appropriate for the existing on-site and off-site conditions. Recovery organization members should be selected based on availability and expertise. Figure 9.1, Typical Recovery Organization, is representative of a typical organization that may be designated by the Recovery Manager. The Recovery Manager directs the organization from the Recovery Center. It may be modified or supplemented as necessary to fit the particular circumstances. In some situations, the normal plant organization may be adequate and a Recovery Organization may not be needed.

The recovery activities would be managed much like a normal outage, except that certain activities unique to the post accident situation may be managed by the Recovery Organization. The organization would function as a matrix management organization to coordinate activities with the normal company organization.

The primary positions/groups in the Recovery

Organization are described below:

Recovery Manager (RM) - The Vice President - Nuclear Engineering and Project Control or designated corporate senior manager who has the requisite authority, experience, and technical expertise to manage the recovery operations. The Recovery Manager will oversee the operations of the various groups and ensure that all activities, proposed courses of action and contingency plans receive proper analysis, review, and coordination.

Emergency Director (ED) - The Site Executive Officer or designated plant senior manager responsible for all operations, technical, radiation protection, and scheduling support for restart of the plant. This person reports directly to the Recovery Manager.

NYPA Spokesperson - The Vice President - Public Affairs or designated alternate Spokesperson who functions as the official spokesperson for the Company on all matters relating to the Recovery. The NYPA Spokesperson will manage all communications relating to Recovery activities and inform the news media, employees, etc. on such activities.

Recovery Support Group - A group of NYPA personnel assembled to provide assistance and support with the Recovery effort (see section 9.2). The members of this group will be determined by the Recovery Manager based on their areas of expertise. A Recovery Support Group Manager will coordinate requests for personnel, equipment and materials, and support services. Other Federal, State, and local agencies and industry groups may augment the Recovery Organization and participate in accomplishing Recovery objectives. Organizations which may be requested to provide assistance are listed in Appendix F.

Shift Onsite Recovery Coordinator - The designated plant individual responsible for coordinating all onsite recovery actions including but not limited to: identification of equipment needing repair, initiation of damage assessment, isolation, control, and minimization of hazards, and initiation of comprehensive radiological surveillance plan. This person reports to the Emergency Director and utilizes the normal plant organization to accomplish his responsibilities.

9.2 RECOVERY SUPPORT GROUP

The Recovery Support Group is a group of NYPA personnel assembled by the Recovery Manager to provide assistance to the site organization in the Recovery effort. The makeup of this group will be determined by the Recovery Manager based on individual or collective areas of expertise. Other Federal, State, and local agencies and industry groups may augment the Recovery Organization and participate in accomplishing recovery objectives.

A Recovery Support Group Manager designated by the Recovery Manager will coordinate requests for personnel, equipment and materials, and support services. Initially, the Nuclear Generation Duty Officer (NGDO) may function in this capacity.

In the event of an emergency situation at the plant, selected individuals in various NYPA departments may be notified and requested to provide support. This support may be provided at the Recovery Center or from another location. Listed below are the functional capabilities available to the Recovery Manager from the NYPA corporate organization:

Radiological Support - provide specialized expertise in the areas of radiation safety, radioactive waste management, radiological environmental monitoring, radiochemistry and meteorology.

Engineering Support - provide analytical engineering and operational experience support, and engineering scheduling support.

Licensing Support - provide licensing support and direction.

Fuel Management Support - provide expertise in nuclear fuel and fuel configuration.

Quality Assurance Support - provide assistance and direction to plant QA staff, monitor activities of other organizations, and maintain Quality Records generated during the emergency.

Public Relations Support - coordinate all outgoing information on behalf of the Power Authority to public officials, the news media, and the public.

Legal Support - provide legal counsel and advice.

Administration and Logistics Support - make arrangement for supplies, services, and additional personnel.

Financial Support - provide emergency petty cash and checks as well as budget support.

Insurance Management Support - provide assistance in matters pertaining to nuclear insurance, property loss, cost accumulation, claims and personal compensation.

Contract Administration Support - establish contracts with contractors to supply equipment and services.

Offsite Security Support - provide security for offsite emergency facilities and personnel.

The Recovery Support Group Manager will coordinate requests for corporate support through the normal NYPA corporate organization. The functions listed above fall under the normal expertise of corporate departments.

Additionally, the Recovery Support Group Manager will facilitate requests from the plant staff for other personnel, equipment and materials, and logistical support services with the Authority's corporate organization.

Long-term emergency recovery activities may require additional personnel and equipment. Normally, personnel will be obtained from those industrial support service organizations which are currently contracted to supply them, and from within the Authority. Typically, these contracted services include:

- Health Physics
- Decontamination

Most of the necessary equipment and material will be supplied by vendors and others who have a current contract to supply them, and from similar nearby plants. Organizations which may provide equipment and material include:

- Nuclear Steam Supply System Suppliers
- Plant Supply Vendors
- Plant System Suppliers
- Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
- Rochester Gas and Electric Corporation
Robert E. Ginna Nuclear Power Station

- Consolidated Edison
Indian Point No. 2 Nuclear Generating Station

Other organizations may be requested to provide assistance to and augment the recovery organization.

The Institute of Nuclear Power Operations has developed a list of technical resources and skills within the nuclear industry which will be available to a utility during an emergency situation. These can be found in the INPO Emergency Resource Manual.

Logistical support services may be necessary to support a large influx of personnel from the Authority Headquarters, contractors, vendors, the news media, and government support organizations. These services include:

- Lodging
- Food and drink
- Transportation
- Communication

There are sufficient facilities in the vicinity of the plant to supply these basic services. Individual contracts will be negotiated as necessary.

9.3 RECOVERY ACTIVITIES

Recovery from an emergency is guided by the following principles:

- The protection of public health and safety is the foremost consideration in formulating recovery plans.
- Public officials should be kept informed of recovery plans so that they can properly carry out their responsibilities to the public.
- Periodic information should be provided to the news media so that they can provide information to the public regarding recovery plans and progress made.
- Periodic status reports should be given to company employees and to government and industry representatives.

- Radiation doses to employees and other radiation workers should be kept as low as reasonably achievable.

Normal plant practices will be followed to the furthest extent possible with regard to maintenance, repair, modification, decontamination, and radiation exposure control activities.

Plant recovery activities shall be in accordance with plant technical specifications and other license conditions or restrictions. Specifically, during recovery operations, the radiation exposure limits of 10 CFR 20 will apply.

Specific recovery activity areas include, but are not limited to, the following:

- Corrective Actions
- Engineering
- Radiological (To include total population exposure)
- Logistics
- Administration

Recovery activities shall be pre-planned. Procedures detailing performance of the above activities will be developed, if required, during the Recovery phase.

9.4 RECOVERY ACTION PLAN

A Recovery Action Plan is designed to expedite plant damage assessment, accommodate requests for assistance in offsite recovery activities by state and local agencies, and initiate efforts to return the plant to an operational status.

A Recovery Action Plan will be developed to address both short and long term recovery actions. The Recovery Manager is responsible for the development of the Recovery Action Plan.

Specific instructions related to the development of a Recovery Action Plan are maintained in Emergency Plan Implementing Procedures.

9.5 RECOVERY FACILITIES

The Emergency Operations Facility may function as the initial Recovery Center. For recovery of longer duration, efforts will be directed from an appropriate facility.

9.6 TEMPORARY ASSISTANCE TO NYPA EMPLOYEES

An emergency situation may have a wide-spread negative impact on NYPA's employees and their families. The need to provide for the families of essential employees, so that those employees may return to work knowing that their families are cared for, is of prime concern when Recovery is begun. The following is a basic framework for the development of a support program for NYPA employees and their families. This support program will be coordinated by the Recovery Support Group.

Housing

NYPA employees may have lost their housing or access to their housing. Portable housing, in the form of trailers or mobile homes, may be provided. Agreements are in place to provide portable office trailers and may be expanded as needed. Arrangements may be made with local motels/hotels wherever possible.

Financial Assistance

Employee access to Federal or State assistance programs will be facilitated. NYPA may provide transportation to assistance centers or encourage authorities to establish these centers nearby. Employees will be encouraged to seek all forms of financial assistance.

Locator Service

The American Red Cross operates a message locator service so that friends and family members, outside of the affected area, can make contact with victims of a disaster. NYPA will assist employees with registration for this service by providing the Red Cross with a list of employees onsite or housed in accordance with this plan.

Medical

NYPA will help its employees with meeting their immediate medical needs wherever possible. When NYPA cannot provide this assistance through normal first aid channels, then medical assistance will be arranged through outside providers.

Recognizing the stress placed on victims of any disaster, NYPA may make personnel available to its employees and families to deal with the stress caused by the disaster. Services may include counseling in stress management, substance abuse, and trauma recovery.

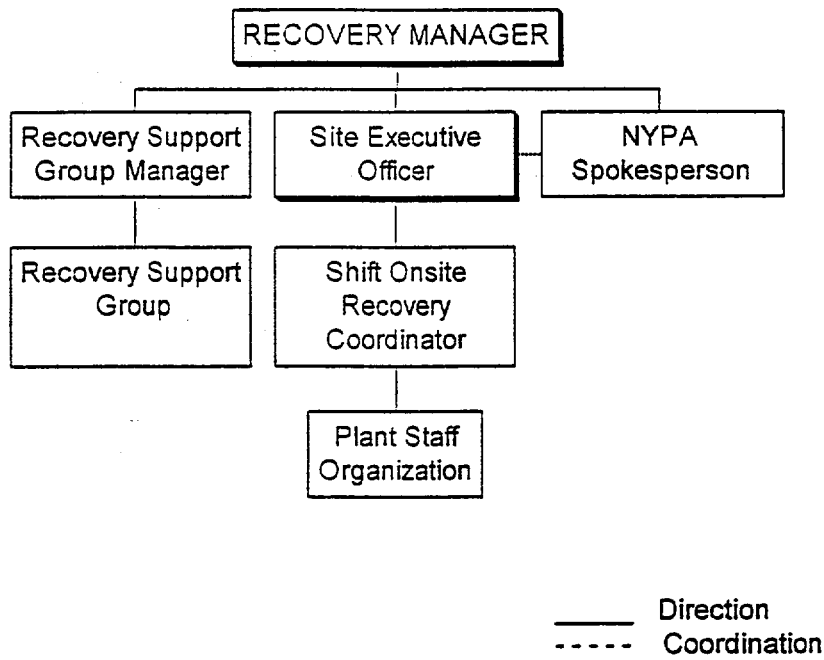
9.7 TERMINATION OF RECOVERY

In order to complete and terminate Recovery, the Recovery Manager will ensure the following:

- Actions outlined in the Recovery Action Plan are typically completed or dispositioned, including:
- Appropriate offsite agencies have been contacted and have concurred with the termination of recovery actions
- Onsite and offsite organizations involved with Recovery have been apprised of the termination of activities
- News media organizations have received a final status report on recovery operations
- Recovery actions have been reviewed and documented.

Figure 9.1

TYPICAL RECOVERY ORGANIZATION



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

PROCEDURE NO.: APPENDIX N

TITLE: TYPICAL FEDERAL SUPPORT RESOURCES*

PORC REVIEW: Meeting No.: N/A Date: N/A

APPROVED BY:


Emergency Planning Coordinator

EFFECTIVE DATE: February 29, 2000

PERIODIC REVIEW DUE DATE: February 2001

Rev. No. 10

APPENDIX N

TYPICAL FEDERAL SUPPORT RESOURCES*

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APPENDIX N

TYPICAL FEDERAL SUPPORT RESOURCES*

1. AIRFIELDS

- a. Monroe County Airport
1200 Brooks Avenue
Rochester, NY 14624
Tel. 716/464-6001
- b. Oswego County Airport
R. D. #2 Co. Rt. 176
Fulton, NY 13069
Tel. 315/591-9130
- c. Oneida County Airport
Terminal Building
Oriskany, NY 13424
Tel. 315/736-4171
- d. Syracuse Hancock International Airport
Hancock Field
Syracuse, NY 13212
Tel. 315/454-3263 (Commissioner of Aviation)
Tel. 315/455-3800 (Air Traffic Control)
- e. Watertown International Airport
RD# 2
Dexter, NY 13634
Tel. 315/639-3809
Fax: 315/639-6247

2. COMMAND POSTS

- a. JAFNPP Emergency Operations Facility
Co. Rt. 176 and Airport Rd.
R. D. #2 Box 656A
Fulton, New York 13069
Tel. 315/593-5700
- b. JAFNPP Technical Support Center
JAFNPP
Lake Road East
P.O. Box 41
Lycoming, NY 13093
Tel. 315/342-3840

- c. Joint News Center
Co. Rt. 176 and Airport Rd.
R. D. #2 Box 656A
Fulton, New York 13069
Tel. 315/592-3700

- d. New York State Emergency Operations Center
New York State Emergency Management Office
Public Security Building, State Campus
Albany, NY 12232
Tel. 518/457-2200
Tel. 518/457-6811 (backup)

- e. Oswego County Emergency Operations Center
Oswego County Office Building Annex
200 North Second Street
Fulton, NY 13069
Tel. 315/591-9150

3. TELEPHONE SYSTEMS IN PLANT VICINITY

- a. ALLTEL New York, Inc.
108 South 2nd St.
Fulton, NY 13069
Tel. 800/542-6204 (repair)

- b. Bell Atlantic
Syracuse, NY
Tel. 315/447-0360
315/890-7711 (repair)

- c. AT&T
Albany, NY
Tel. 800/222-0400
800/222-3000 (repair)
Fax: 518/432-4599

4. RADIO FREQUENCIES

<u>ORGANIZATION/FUNCTION</u>	<u>FREQUENCY</u>
a) JAFNPP Security Force	153.635
b) JAFNPP Radiological Survey Teams	153.560
c) Oswego County Sheriff/Police agencies 39 Churchill Road, Oswego, NY	155.250 155.370 155.130 155.490
d) E-911 Center Trunk Radio 800 MHz System 39 Churchill Road, Oswego, NY	46.100 46.220
e) Oswego County Highway Department Airport Rd., Town of Scriba, NY	45.920 155.340 155.280 155.220
f) Nine Mile Point - Niagara Mohawk Rad	37.900
Offsite Administration B/U Rad	451.575 456.575 452.750 457.750