

GRAND GULF NUCLEAR STATION EIE SUBMISSION

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PLANT OPERATIONS MANUAL

Volume 01
Section 10

01-S-10-6
Revision: 021

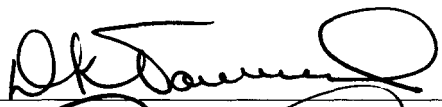

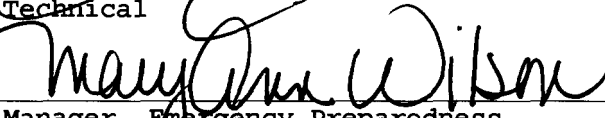
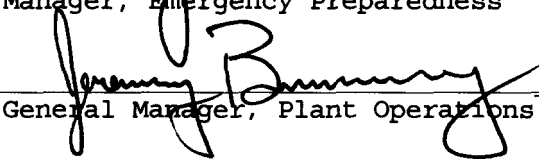
Date: 9-9-08

REFERENCE USE

ADMINISTRATIVE PROCEDURE

EMERGENCY RESPONSE ORGANIZATION

SAFETY RELATED

Prepared: 
Reviewed: 
Concurred: 
Approved: 

List of Effective Pages:

Pages 1-7

Attachments I-IV

List of TCNs Incorporated:

<u>Revision</u>	<u>TCN</u>
0	None
1	None
2	1, 2
3	None
4	None
5	None
6	None
7	None
8	3
9	None
10-021	None

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RPTS FORM

REQUIRED REVIEW PERFORMED (Check all that apply)	<input checked="" type="checkbox"/> PAD (EN-LI-100)	<input type="checkbox"/> 50.59 Evaluation (EN-LI-101)
	<input type="checkbox"/> 72.48 Evaluation (EN-LI-112)	<input checked="" type="checkbox"/> 50.54 Evaluation (ENS-NS-210)
Transmit applicable Review Form as a separate record along with procedure to Document Control.	<input type="checkbox"/> PAD Not Required(EN-LI-100 or 01-S-02-3) <input type="checkbox"/> Process Applicability Excluded <input type="checkbox"/> Editorial Change <input type="checkbox"/> ISI/IST Implementation <input type="checkbox"/> TCN Incorporation or Auto Rev. <input type="checkbox"/> Other Process-Number: _____	
	PAD Reviewer: _____ / _____ (for PAD Not Required) Signature/Date	

Cross-Discipline review required?	() Yes	(Note affected Departments Below)
	(X) No	
Preparer Initials>>>	OKS	

Department Cross-Discipline Reviews Needed	Signoff (signed, electronic, telcon)

Does this directive contain Tech Spec Triggers? () YES (X) NO

REQUIREMENTS CROSS-REFERENCE LIST

Requirement Implemented by Directive		Directive Paragraph Number
Name	Paragraph Number	That Implements Requirement
EPLAN	5.4 S5	2.1
EPLAN	Table 5-1	Att II
EPLAN	5.4.2 through 5.4.34	Att III
AECM-89/0202	Att 1, Item IV, S3	6.3.1
AECM-89/0202	Att 1, Item IV, S4	6.3.5
AECM-89/0202	Att 1, Item IV, S7	6.3.6.S2
AECM-89/0202	Att 1, Item IV, S8	6.2
EPLAN	Figure 5.3 & 5.4	ATT I
EPLAN	5.4.1	6.1.1
AECM-89/0202	Att 1, Item IV, S9	6.3.2, 6.3.5, 6.3.6
GNRO-97/00057	97-06-03.IV	6.2.1, 5.11
GGCR 1997-1249	*	6.3.2
GNRO-97-00080	97-09-01.1TEM 4	Att. III
GNRI 2000/00093	TABLE 5-1	6.1.2, Att. II

* Covered by directive as a whole or by various paragraphs of the directive.

NOTE

The Equipment Database (EDB) Request statement is applicable only to Volume 06 and 07 maintenance directives.

EDB Change Request generated and the backup documentation available for setpoint and/or calibration data only Yes N/A EDBCR # _____

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Current Revision Statement:

Revision 021:

- Revises the number of required personnel for TSC Communicators and EOF Communicators. The number was reduced by one and meets the Emergency Plan requirements.
- Corrects reference for Nuclear Management Manual ENS-TQ-110 , Emergency Preparedness Training Program
- Other administrative changes

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1.0 PURPOSE AND DISCUSSION

1.1 Purpose

- 1.1.1 To describe the responsibilities of various site personnel with respect to the Emergency Response Organization. The procedure also describes minimum staffing requirements for the different emergency classifications, site specific positions used to meet staffing requirements, required augmentation times for response personnel, requirements for assignment to the Emergency Response Organization, and expectations for response personnel.

1.2 Discussion

- 1.2.1 The Emergency Response Organization must be capable of responding within a short period after the declaration of an emergency and be capable of performing the assigned emergency function to mitigate consequences of the emergency.

2.0 RESPONSIBILITIES

2.1 Vice President, Operations - through the Director, Nuclear Safety Assurance - Is responsible for:

- 2.1.1 Establishing management direction and control for the Emergency Preparedness Program to assure that preparedness is maintained and that any required corrective actions are implemented.
- 2.1.2 Designating personnel to fill Emergency Response Organization positions.

2.2 Manager, Emergency Preparedness - Is responsible for:

- 2.2.1 Overall management of the Emergency Preparedness Program.
- 2.2.2 Maintenance of this procedure.
- 2.2.3 Ensuring that an up-to-date on-call schedule is maintained.
- 2.2.4 Identifying personnel to fill Emergency Response Organization positions. These positions are listed in Attachment II.
- 2.2.5 Ensuring that personnel assigned:
 - a. Are qualified in accordance with Reference 3.5 and remain qualified while assigned.
 - b. Reside in a location that enables them to respond to their Emergency Response Facility in the time required in accordance with Attachment II.

2.3 Manager, Training and Development - Is responsible for:

- 2.3.1 Providing emergency plan training for emergency response personnel commensurate with their emergency response position.

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2.4 Facility Process Owners - Are responsible for:

- 2.4.1 Making recommendations for their assigned facilities concerning:
- a. Staffing
 - b. Operation
 - c. Readiness

2.5 Corporate Security - Is responsible for:

- 2.5.1 Notifying the Manager, Emergency Preparedness (GGNS) upon loss of access for any Entergy employee or Security Personnel.

2.6 Radiation Protection - Is responsible for:

- 2.6.1 Notifying the Manager, Emergency Preparedness (GGNS) upon any Radworker Restriction for any Entergy employee or Security personnel.

2.7 Discipline Training Coordinators - Are responsible for:

- 2.7.1 Providing names of personnel who fill Emergency Plan On-Shift positions to the Emergency Preparedness Department.
- 2.7.2 Ensuring training and qualification of individuals assigned to Emergency Plan On-Shift position remain qualified.

2.8 GGNS Management (Managers and Supervisors) - Is responsible for supporting the Emergency Response Organization through the following means:

- 2.8.1 Ensuring that each ERO member under their supervision remains qualified to respond to an emergency.
- 2.8.2 Providing clear expectations for emergency response performance and hold their employees accountable. This applies to both ERO and non-ERO members.
- 2.8.3 Enforcing accountability for Emergency Preparedness Violations/Weaknesses at all levels of the organization as appropriate.
- 2.8.4 Discussing Emergency Preparedness issues at morning meetings or Plan of the Day meetings to ensure appropriate priorities are given to those issues.

3.0 REFERENCES

- 3.1 NUREG 0654
- 3.2 Administrative Procedure 01-S-10-3, Emergency Preparedness Department Responsibilities
- 3.3 Administrative Procedure 01-S-10-4, Emergency Preparedness Drills and Exercises.

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3.4 GGNS Emergency Plan

3.5 Nuclear Management Manual ENS-TQ-110 , Emergency Preparedness Training Program

3.6 Emergency Plan Procedure 10-S-01-6, Notification of Offsite Agencies and Plant On-Call Emergency Personnel

3.7 GNRI 2000/00093 Emergency Plan Table 5-1 changes.

4.0 ATTACHMENTS

4.1 Attachment I - ERO Organizational Chart

4.2 Attachment II - ERO Assignment Responsibility Matrix

4.3 Attachment III - ERO Position Descriptions

4.4 Attachment IV - ERO Personnel Assignment Memo

5.0 DEFINITIONS

5.1 EOF - Emergency Operations Facility

5.2 ERO - Emergency Response Organization

5.3 On-Call Schedule - A list of Emergency Response Organization personnel showing position and dates assigned

5.4 OSC - Operational Support Center

5.5 Response time - The time from the declaration of an emergency classification until the emergency response person arrives onsite

5.6 Augmentation - Actions taken to support on-shift personnel prior to emergency facilities becoming fully operational.

5.7 TSC - Technical Support Center

5.8 VIP-2000 - A computer notification system used as the primary method to notify on-call personnel in an emergency

5.9 On-Call Period - The period of time that an assigned ERO person is expected to be able to respond to an emergency condition when notified

5.10 ENMC - Emergency News Media Center

5.11 Facility Process Owner - Person assigned by the Vice President, Operations, who is responsible for making operational recommendation and concurring with staffing assignments of a designated Emergency Response Facility.

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6.0 DETAILS

6.1 Augmentation Requirements

- 6.1.1 The normal shift organization shall be augmented by additional personnel within a short period of time after the declaration of an emergency as described by the GGNS Emergency Plan. Attachment II (ERO Assignment Responsibilities) provides detailed information on Emergency Response Organization responsibilities to implement the GGNS Emergency Plan.
- 6.1.2 The operational and augmentation times for the TSC, EOF, OSC, ENMC and EIC have been established in the appropriate emergency plan procedures. Emergency Preparedness should determine the cause if the times established in the procedures are not met. If the cause is isolated and beyond the control of the GGNS, i.e., weather, traffic, etc., then the inability to meet the times in that instance is understood and GGNS should continue to strive to meet the times. However, if the inability to meet the times is systemic or for reasons over which GGNS has control, i.e. residence of responders, delay in notification of responders, delay in accessing facilities, delay of activities to setup a facility, etc., then GGNS should implement appropriate corrective actions to ensure the times can be met.

6.2 Assignment of Emergency Response Organization Personnel

- 6.2.1 The Director, Nuclear Safety Assurance through the Manager, Emergency Preparedness shall assign personnel to the ERO to provide the minimum coverage of the positions listed in Attachment II of this procedure. Permanent changes to the ERO must be made in accordance with Attachment IV of this procedure.
- 6.2.2 Manager, Emergency Preparedness should ensure that at least 1/2 of the personnel required, listed in Attachment II, are maintained in each ERO position. This ensures there are an adequate number of qualified ERO members in each position to allow a rotation schedule to be established in order to support a protracted event. If a position is staffed less than 50%, special measures are taken to support a rotation schedule.
- 6.2.3 The Emergency Preparedness staff must update the VIP-2000 data base when permanent changes are made.

6.3 Training and Qualification of Emergency Response Organization Personnel

- 6.3.1 Manager, Emergency Preparedness and Discipline, Training Coordinators must ensure that training and qualification of individuals assigned to the Emergency Response Organization (On-Call and On-Shift) remain current in accordance with Reference 3.5. If an assigned individual's training expires, the Manager, Emergency Preparedness must ensure that the individual is removed from the on-call duty roster.

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- 6.3.2 Corporate Security, Radiation Protection, Training, and Safety (as appropriate) must notify the Manager, Emergency Preparedness within one business day if any of the following occur with respect to any Emergency Employee or Security personnel:
- a. Loss of access to the GGNS Protected Area or GGNS EOF, or
 - b. Invoking any Radworker Restriction, or
 - c. Failure of any training specified in Reference 3.5, or
 - d. Any "restricted duty" status imposed due to medical conditions.
- 6.3.3 The Manager, Emergency Preparedness will, upon notification, temporarily suspend the Emergency Response Organization qualification of any person identified for any reason listed in section 6.3.2 of this procedure.
- 6.3.4 Discipline Training Coordinators must provide Emergency Preparedness with the names of personnel who fill Emergency Plan On-Shift positions. Emergency Preparedness will ensure the names are entered and tracked in the EP Training report under the proper qualification code.
- 6.3.5 Discipline Training Coordinator, ERO Member, and Emergency Preparedness must review the ERO training on a monthly basis. The training should be reviewed for accuracy and to ensure assigned personnel are qualified.
- 6.3.6 The Emergency Preparedness staff must review the training and qualification status (as it pertains to ERO qualification) of all personnel assigned to the Emergency Response Organization. Any problems or concerns as a result of this review will be brought to the attention of the responsible management for resolution.
- 6.3.7 If any ERO member fails to properly maintain their qualification in accordance with management expectations listed in Section 6.4, a Condition Report must be initiated and the individual and their supervisor must resolve the reason for failure to maintain their qualifications.
- 6.4 Emergency Response Organization Personnel Requirements
- 6.4.1 Personnel assigned to the Emergency Response Organization must:
- a. Maintain ERO qualifications for your position including EP Training and additional specific training such as licenses, respirator qualifications, RWT training, FFD training, etc., and inform the Emergency Preparedness Staff immediately of any change in status.

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6.4.1 (Cont.)

- b. Attend scheduled training and, if unable to attend, provide prior notification to your supervisor and to the instructor.
- c. Ensure that assigned pager is worn and turned on during the individual's on-call week.
- d. Be fit for duty and available to respond to the appropriate emergency response facility, within your designated response time listed in Attachment II, for your entire assigned duty period if notified or instructed to report. Personnel should report promptly but safely.
- e. If circumstances prohibit response within the required times, ensuring that an alternate (from the same ERO position) has agreed to and is available for emergency response coverage, and notify Emergency Preparedness of the arrangements made.

6.4.2 In addition, ERO personnel should recognize the expectation of Nuclear Management Manual PL-147, including:

- a. Actively support the ERO as a participant, drill control team member, evaluator or coach in drills or exercises (including pre-drill/exercise activities) for which you are scheduled. If you are unavailable, it is your responsibility to find a qualified replacement and inform him or her of the assigned function in the drill and/or exercise.
- b. When newly selected for the ERO, attain full qualifications as soon as possible.
- c. Respond promptly to notification tests (VIP 2000) and off-hours or unannounced drills.
- d. Be prepared to have your ERO participation evaluated as part of the annual Performance Planning and Review (PP&R) process.

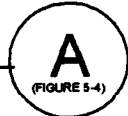
6.5 Management expectation of Non-Emergency Response Organization Personnel

6.5.1 The full response to an event at GGNS consists of all available resources. Therefore, Management has the following expectations for those persons not specifically assigned to the ERO, who may be called upon to support the emergency response effort:

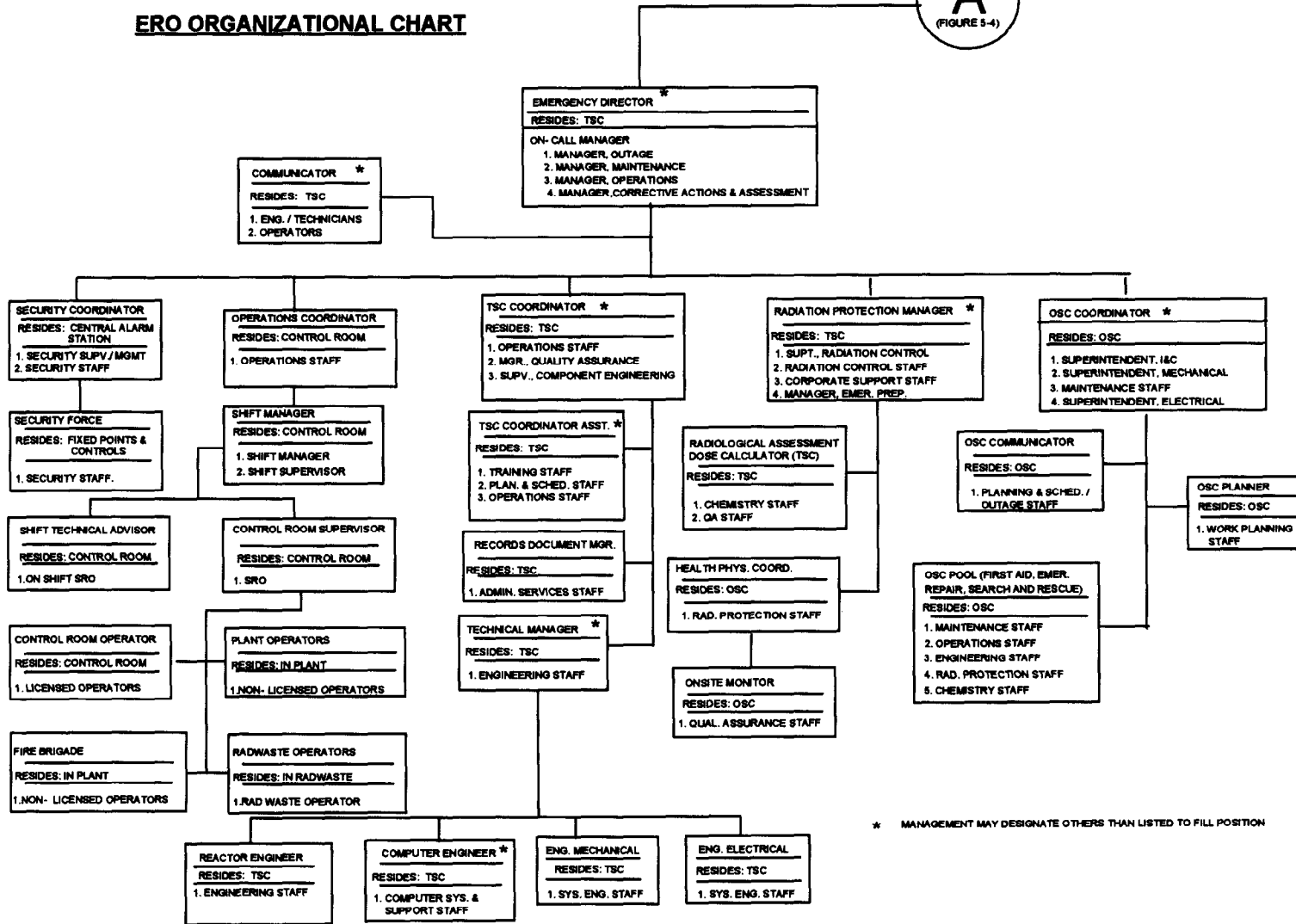
- a. Every company employee is eligible for assignment.
- b. Personnel are assigned emergency positions based on their experience, expertise, knowledge and ability.
- c. Company employees should respond to perform specific duties, as requested, in support of the emergency response.
- d. Employee compensation for supporting emergency response is to be handled in accordance with company policies and procedures.

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ERO ORGANIZATIONAL CHART



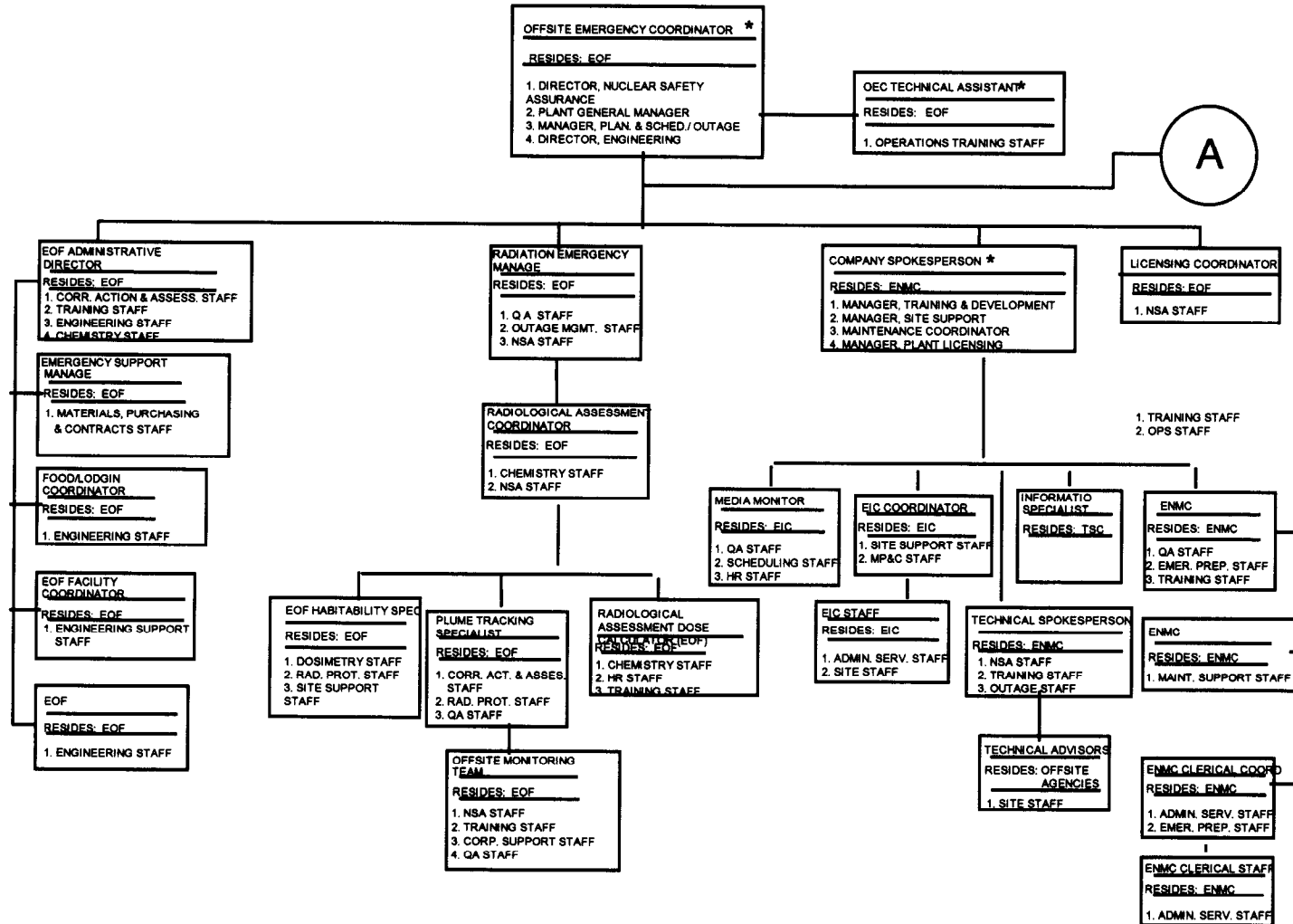
ERO ORGANIZATIONAL CHART



* MANAGEMENT MAY DESIGNATE OTHERS THAN LISTED TO FILL POSITION

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ERO ORGANIZATIONAL CHART



* MANAGEMENT MAY DESIGNATE OTHER THAN LISTED TO FILL POSITION

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ERO ASSIGNMENT RESPONSIBILITY MATRIX

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
Control Room	Plant Operation Emergency Direction and Control	Shift Manager (Shift Manager) ² (Emergency Coordinator) ^{2,3}	1/shift	on shift ^{2,6}	Requires 24-hour on site coverage. The Shift Manager will cover both functions until relieved by responding On-call Manager as Emergency Director.
	Plant Operations	Control Room Supervisor (Shift Supervisor) ²	1/shift	on shift ^{2,6}	Requires 24-hour on site coverage.
		Control Room Operator (Control Room Operator) ²	2/shift	on shift ^{2,6}	Requires 24-hour on site coverage.
		Plant Operator (Auxiliary Operator) ²	2/shift	on shift ^{2,6}	Requires 24-hour on site coverage. One of these is the plant response NOB
		STA (Shift Technical Advisor) ² (Core/Thermal Hydraulics) ²	1/shift ⁴	on shift ^{2,6}	Requires 24-hour on site coverage per GGNS Tech. Spec. Will cover core thermal hydraulics function until relieved by TSC Coordinator.
	Notification and Communication	Control Room Communicator (Communicator) ²	1/shift	on shift ^{2,6}	Requires 24-hour on site coverage. Covered by On Shift operator, until relieved by responding TSC Communicator. (Cannot be member of fire brigade or plant response NOB)
		Control Room Communicator (Communicator) ²	1/shift	on shift ^{2,6}	Covered by on-shift RWO or Operator, until relieved by responding TSC Communicator. (Cannot be plant response NOB)
	Repair & Corrective Actions	RWO/Plant Operator (Rad Waste Operator) ²	1/shift ⁴	on shift ^{2,6}	Covered by on-shift RWO or Operator after relief from Control Room Communicator duties by responding TSC Communicator. Once relieved, reports to the OSC.
	Firefighting, Firefighting Communications	Fire Brigade ² (per Tech Spec)	5/shift ⁴	on shift ^{2,6}	Requires 24-hour on site coverage.
		(Local Support) ²			
	Operational Advisor	Operations Coordinator	4	None See Note 5,7	Reports to the site following the declaration of an Alert or higher classification.
Radiological Assessment	Onshift Chemist (Chemistry/Radio Chemistry)	1/shift	on shift ^{2,6}	Requires 24 hour coverage. (these personnel can provide Dose Assessment function, if needed)	

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ERO ASSIGNMENT RESPONSIBILITY MATRIX (CONTINUED)

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
TSC	Emergency Direction and Control	Emergency Director (Emergency Coordinator) ²	4	75 Minutes ^{2,7}	Reports to the site within 75 minutes following the declaration of an Alert or higher classification to provide staff augmentation. <u>This is a TSC minimum staffing position</u> for declaring the TSC operational.
	Technical Support	TSC Coordinator (Core/Thermal Hydraulics)	4	75 Minutes ^{2,7}	Reports to the site, within 75 minutes following the declaration of an Alert or higher classification to provide staff augmentation. <u>This is a TSC minimum staffing position</u> for declaring the TSC operational.
		TSC Coordinator Assistant	4	None See Note 5,7	Reports to the site within 90 minutes following the declaration of an Alert or higher classification.
	Notification and Communication	TSC Communicator (Offsite Notifications) ²	8	75 Minutes ^{2,7}	Reports to the site within 75 minutes following the declaration of an Alert or higher classification to provide staff augmentation.
		ENS Communicator	4	None See Note 5,7	Reports to the TSC following the declaration of an Alert or higher classification.
	Radiological Assessment	Radiation Protection Manager	4	None See Note 5,7	Reports to the site within 90 minutes following the declaration of an Alert or higher classification.
		Radiological Assessment Dose Calculator (TSC) (Offsite Dose Assessment) ²	4	75 Minutes ^{2,7}	Reports to the site within 75 minutes following the declaration of an Alert or higher classification to provide staff augmentation. <u>This is a TSC minimum staffing position</u> for declaring the TSC operational. (The Radiation Protection Manager may be substituted for this position).
	Corrective Action Engineering Support	Technical Manager	4	None See Note 5,7	Reports to the TSC following the declaration of an Alert or higher classification
		Reactor Engineer	4	90 minutes ^{2,7}	Reports to the site within 90 minutes following the declaration of an Alert or higher classification.
		Engineering Elect. (Systems Engineer Electrical) ²	4	90 minutes ^{2,7}	Reports to the site within 90 minutes following the declaration of an Alert or higher classification.
Engineering Mech. (Systems Engineer Mechanical) ²		4	90 minutes ^{2,7}	Reports to the site within 90 minutes following the declaration of an Alert or higher classification.	
	Technical Support and Provides Emergency Information To The Company Spokesperson	TSC Information Specialist	4	None See Note 5,7	Reports to the TSC following the declaration of an Alert or higher classification
	TSC Clerical and Logistic Support	Records Document Manager	4	None See Note 5,7	Reports to the TSC following the declaration of an Alert or higher classification

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ERO ASSIGNMENT RESPONSIBILITY MATRIX (CONTINUED)

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
TSC (Cont.)	Site Access Control & Personnel Accountability	Security Coordinator	Per Security Plan	None See Note 5,7	A Security Supervisor covers this function until relieved by Security Management.
		Security Force (Security personnel) ²	Per Security Plan	on shift ²	Requires 24-hour on site coverage.
	Computer Services	Computer Engineer	4	None See Note 5,7	Reports to the TSC following the declaration of an Alert or higher classification.
OSC	Radiation Protection -Access Control -HP Job Coverage -Personnel Monitoring -Dosimetry	On-Shift HP (In Plant, Onsite and Offsite surveys) ²	2/shift	On shift ^{2,6}	Requires 24-hour on site coverage. All functions covered by on shift HP personnel until relieved by augmenting staff.
		On-call HP (In-plant Surveys) ²	6 ⁸	90 minutes ^{2,7}	Reports to the site within 90 minutes following the declaration of an Alert or higher classification. 4 of the 6 reporting On-call HP's must be qualified as Senior HP's.
		Health Physics Coordinator	4	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification to provide oversight of the Radiation Protection function in the OSC. <u>This is an OSC minimum staffing position for declaring the OSC operational.</u>
	OSC Pool, Emergency Corrective Actions, Search and Rescue, First Aid	Mechanic (Mech Maint Function) ^{2,4} (Rescue Function) ^{2,4}	1/shift	on shift ^{2,6}	Requires 24-hour on site coverage. All functions covered by same individual.
		Mechanic (Mechanical Maint)	1 ⁸	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
		Electrician (Electrical Maint Function) ^{2,4} (First Aid Function) ^{2,4}	1/shift	on shift ^{2,6}	Requires 24-hour on site coverage. On shift function is covered by electrician who is on shift.
		Electrician (Electrical Journeyman) ²	2 ⁸	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
	I&C Tech (I&C Technician) ²	1/shift	On-shift ^{2,6}	Reports to the Control Room following the declaration of an Alert or higher classification.	

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ERO ASSIGNMENT RESPONSIBILITY MATRIX (CONTINUED)

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
OSC (Cont.)	Corrective Actions	OSC Coordinator	4	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification. <u>This is an OSC minimum staffing position for declaring the OSC operational.</u>
		OSC Communicator	4	None See Note 5,7	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
		OSC Planner	8	None See Note 5,7	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
	Accident Assessment	On-call Chemist (Chemistry Samples) ²	4	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
	Onsite Surveys	Onsite Monitor (Onsite Surveys) ²	4	90 minutes ^{2,7}	Reports to the OSC within 90 minutes following the declaration of an Alert or higher classification.
EOF	Radiological Accident Assessment and Support of Operational Accident Assessment	Offsite Emergency Coordinator (Emergency Operations Facility Director) ^{2,3}	4	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position for declaring the EOF operational.</u>
	Technical Advisor	OEC Technical Assistant	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	Radiological Assessment	Radiation Emergency Manager	4	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position for declaring the EOF operational. (Radiological Assessment Coordinator or Radiological Assessment Dose Calculator (EOF) may be substituted for this position.)</u>
		Radiological Assessment Coordinator	4	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position for declaring the EOF operational. (Radiation Emergency Manager or Radiological Assessment Dose Calculator (EOF) may be substituted for this position.)</u>
		Radiological Assessment Dose Calculator (EOF) (Offsite Dose Assessment) ²	4	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position for declaring the EOF operational. (The Radiation Emergency Manager or Radiological Assessment Coordinator may be substituted for this position.)</u>
		Plume Tracking Specialist	4	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position for declaring the EOF operational.</u>

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ERO ASSIGNMENT RESPONSIBILITY MATRIX (CONTINUED)

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
EOF (Cont.)	Notification and Communication	EOF Communicator (Communicator) ²	8	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position</u> for declaring the EOF operational.
		EOF Communicator	8	None See Note 5,7	Reports to the EOF following the Declaration of an Alert or higher classification.
	Offsite Surveys	Offsite Monitoring Team Monitor (Offsite Surveys) ²	8	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position</u> for declaring the EOF operational.
		Offsite Monitoring Team Driver Assistant (Offsite Surveys) ²	8	90 minutes ^{2,7}	Reports to the EOF within 90 minutes following the declaration of an Alert or higher classification. <u>This is an EOF minimum staffing position</u> for declaring the EOF operational.
	EOF Administrative Director	EOF Administrative Director	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	Radiological Control	EOF Habitability Specialist	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	EOF Logistic Support	Emergency Support Manager	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.

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ERO ASSIGNMENT RESPONSIBILITY MATRIX (CONTINUED)

Facility Process Owner	Major Functional Area and/or Task	Emergency Response Position (Regulatory Requirement)	Personnel ¹ Required	Response Time Requirement	Comment
EOF (Cont.)	EOF Operation Coordination	EOF Facility Coordinator	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	Provides Emergency Information to the Company Spokesperson	EOF Information Specialist	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	EOF Logistic Coordination	EOF Food/Lodging Coordinator	4	None See Note 5,7	Reports to the EOF following the declaration of an Alert or higher classification.
	Rescue Operations and First Aid ²	(Local Support) ²			Per agreement with local organization.
	Emergency Licensing Activities	Licensing Coordinator	4	N/A	Reports to the EOF upon request.
ENMC	Emergency Information Distribution Control	Company Spokesperson	4	None See Note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
	Assists With Emergency Information Technical Questions	Technical Spokesperson	4	None See Note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
	ENMC Operation Coordination	ENMC Manager	4	None See Note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
	ENMC Support	ENMC Support Staff	8	None See Note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
	ENMC Clerical Support	ENMC Clerical Coordinator	4	None See note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
		ENMC Clerical Support	8	None See Note 8	Reports to the ENMC following the declaration of an Alert or higher classification.
	Emergency Information Verification	Media Monitor	4	None See Note 8	Reports to the EIC following the declaration of an Alert or higher classification.
	State and Local EOC Technical Advisor	Technical Advisor	16	N/A	Must be able to respond to the requesting state or local agency upon request.
	EIC Operation Coordination	EIC Coordinator	4	None See Note 8	Reports to the EIC following the declaration of an Alert or higher classification.
Rumor Control	EIC Staff	16	None See Note 8	Reports to the EIC following the declaration of an Alert or higher classification.	

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- Notes:
1. Number of personnel indicated in this column are required to maintain minimum four (4) section Emergency Response Organization coverage unless otherwise noted.
 2. Regulatory requirement.
 3. Overall direction of the emergency response effort will be assumed by the Offsite Emergency Coordinator when all facilities are fully manned. Direction of the minute-to-minute operation and control of the plant remains with the Emergency Director in the TSC or Control Room.
 4. May be covered by personnel assigned other functions.
 5. This position does not have a fixed time response requirement. However, personnel assigned to this position are expected to be able to respond to their facility on a not-to-delay basis but within 90 minutes. When responding, personnel are expected to observe all traffic regulations and safety rules.
 6. These ERO positions may be vacant for not more than two hours, in order to provide for unexpected absences, provided action is taken to fill the required positions. This allowance is not applicable during declared emergencies.
 7. If personnel are on-site, they will report and augment shift personnel as soon as possible without delay, but no later than 45 minutes.
 8. This position does not have a fixed time response requirement. However, personnel assigned to this position are expected to be able to respond to their facility on a not-to-delay basis but within 120 minutes. When responding, personnel are expected to observe all traffic regulations and safety rules.
 9. Number of personnel are drawn from a pool, not on four section rotation.

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ERO POSITION DESCRIPTIONS

Offsite Emergency Coordinator

1. Overall emergency response effort when all facilities are manned. He provides guidance to the Emergency Director as appropriate. The Emergency Director, however, maintains responsibility for the operation and control of the plant.
2. Official communications released from the plant and for management level interface with federal, state and local agencies.
3. Making protective action recommendations to state and local agencies after the EOF is operational.
4. Assuring continuity of technical, administrative, and material resources throughout the emergency, and for providing any needed plant support from federal, state or local agencies.
5. Initiating the recovery phase of the emergency.
6. Is the Site Vice President or designated alternate.

Emergency Director - Is responsible for:

1. Overall emergency response effort until relieved of this function by the Offsite Emergency Coordinator.
2. Minute-to-minute operation and control of the plant.
3. Continuous assessment of actual plant and radiological conditions.
4. Assess and classify the emergency situation, especially where a real or potential hazard to offsite persons or property exists. (The Offsite Emergency Coordinator assumes this responsibility once the EOF is declared operational).
5. Making operational decisions involving the safety of the plant and its personnel and make recommendations to the Control Room personnel. In the event of security emergencies, he should evaluate each security related incident and activate only those support groups and facilities that are needed, regardless of the emergency classification, so as to minimize the risk to personnel.
6. Notifying and recommending protective actions to authorities responsible for offsite emergency measures. (The Offsite Emergency Coordinator assumes this responsibility once the EOF is declared operational)
7. Implementing the GGNS Emergency Plan through the use of specific Emergency Plan Procedures.
8. Requesting additional resources as deemed necessary up to and including activation of the Emergency Response Organization as required.

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ERO POSITION DESCRIPTIONS (Continued)

9. Notifying and informing the offsite support officials of pertinent facts and development.
10. Requesting assistance from Federal and State agencies if required. (The Offsite Emergency Coordinator assumes this responsibility once the EOF is declared operational.)
11. Activating the VIP 2000, after the TSC is declared operational.

Technical Support Center Communicator

1. Reports directly to the Emergency Director and is responsible for periodic notification of Federal, State and Local agencies.

ENS Communicator

1. Reports directly to the Emergency Director and is responsible for notification and communications with the NRC via the Emergency Notification System telephone. The ENS Communicator relieves the TSC Communicator of this responsibility.

Security Coordinator

1. Reports directly to the Emergency Director and is responsible for the command and control of the security force during an emergency.

Security Force

1. Reports to the Security Coordinator/Security Shift Supervisor and is responsible for site access control and personnel accountability.

Operations Coordinator

1. Reports directly to the Emergency Director and performs the following actions during an emergency:
 - a. Coordinates operations activities between Control Room, TSC and OSC Coordinator.
 - b. Provides technical assistance to the Shift Manager.

Shift Manager

1. Reports directly to Operations Coordinator and is responsible for the command and overview of the minute-to-minute plant operations and assessment of operational aspects. When the Shift Manager assumes Emergency Director position Shift Supervisor assumes Control Room Overview function.

Control Room Supervisor

1. Reports directly to Shift Manager and is responsible for the minute-to-minute plant operation and assessment of operational aspects. Control Room Supervisor is responsible for the implementation of the Emergency Procedures.

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ERO POSITION DESCRIPTIONS (Continued)**Shift Technical Advisor**

1. Shift Technical Advisor (STA) reports directly to Shift Manager and is responsible for monitoring and advising Control Room Supervisor on status of critical plant parameters. Any of the three SROs STA Qualified assigned to the operating shift may fulfill the STA position. The STA covers the core/thermal hydraulic function until relieved by the TSC Coordinator.

Control Room Operator

1. Reports directly to Control Room Supervisor and is responsible for the physical operation of plant equipment from the Control Room.

Plant Operator

1. Reports directly to Control Room Supervisor and is responsible for operation of plant equipment outside the Control Room.

Control Room Communicator

1. Reports directly to Emergency Director and is responsible for notification of the Federal, State and Local agencies until relieved by the responding TSC Communicators.

Radwaste Operator

1. Reports directly to Control Room Supervisor and is responsible for the operation of plant equipment in the radwaste area.

Fire Brigade

1. Consists of a Fire Brigade Leader and four responding members. Fire Brigade members report directly to the Fire Brigade Leader and are responsible for responding to, control and extinguishing of any fire that occurs on site. Fire Brigade Leader reports directly to Shift Supervisor (overview function) and is responsible for command and direction at the scene of the fire.

Technical Support Center Coordinator

1. The TSC Coordinator reports to the Emergency Director and is responsible for the assimilation of data for the Emergency Director, prioritization of corrective actions, core/thermal hydraulics, and coordination of mitigation efforts.

TSC Coordinator Assistant

1. TSC Coordinator Assistant reports to the TSC Coordinator and is responsible for monitoring the progress of the implementation of Emergency Operating Procedures, providing plant status and corrective action status to the TSC, and communication of emergency information to the OSC, Control Room, and EOF.

TSC Information Specialist

1. TSC Information Specialist reports to the TSC Coordinator and is responsible for tracking the progress of implementation of emergency operating procedures, severe accident procedures and emergency action levels for the TSC. The TSC Information Specialist also maintains the plant parameters status boards for the TSC and may serve as a backup to the EOF Information Specialist.

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ERO POSITION DESCRIPTIONS (Continued)

Technical Manager

1. Reports directly to Technical Support Center Coordinator and is the focal point for all engineering support. The Technical Manager is responsible for the following during an emergency:
 - a. Activities of engineers and technical staff.
 - b. Providing information concerning plant status and for developing recommendations and procedures for plant operation.
 - c. Briefing incoming engineers.
 - d. Performing evaluations of the status of the reactor core.
 - e. Activating the VIP 2000 upon the Emergency Director's request.

Record Document Manager

1. Reports directly to Technical Support Center Coordinator and provides administrative and logistical services during an emergency.

Radiation Protection Manager or designated alternate

1. Reports directly to Emergency Director and is responsible for the following during an emergency:
 - a. Radiological assessments and development of radiological plans.
 - b. Keeping Emergency Director informed of environmental conditions.
 - c. Determining emergency radiological survey requirements.

On-Call HP

1. Reports directly to Health Physics Coordinator and is responsible for performing activities associated with radiation protection as directed by the Health Physics Coordinator.

On-Shift HP

1. At the declaration of an Alert or higher classification, the On-Shift HP's will respond in support of access control, HP Job Coverage, Personal Monitoring, dosimetry and surveys (In-plant, onsite and offsite).

On-Call Chemist

1. Reports directly to OSC Coordinator and is responsible for obtaining and analyzing required samples to determine the onset or extent of core damage.

Computer Engineer

1. Reports directly to the Technical Manager and is responsible for:
 - a. Investigation and resolution of computer/software problems.
 - b. Assisting with data gathering and analysis.

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ERO POSITION DESCRIPTIONS (Continued)

On-Shift Chemist

1. Upon declaration of an Alert classification or higher, reports to the Control Room and performs Radiological Assessment (Chemistry Samples/Dose Assessment) Function until relieved by the responding RPM or Radiological Assessment Dose Calculator. Reports directly to the Emergency Director during this period.

Upon relief of Radiological Assessment functions, reports to the OSC and is responsible for obtaining and analyzing required samples. Reports directly to the OSC Coordinator during this period.

Health Physics Coordinator

1. Reports directly to Radiation Protection Manager. He is responsible for the following during an emergency:
 - a. Providing radiological support to Operations Support Center Coordinator.
 - b. Dispatching Onsite Monitoring Teams.
 - c. Coordinating activities of Health Physics personnel.

Onsite Monitoring Team

1. Reports directly to HP Coordinator and is responsible for performing radiological surveys outside the power block.

Radiological Assessment Dose Calculator (TSC)

1. At the Alert classification, reports directly to the Emergency Director (Control Room). Performs radiological dose projection activities and provides assistance in radiological assessment and developing Protective Action Recommendations. Reports directly to the RPM when TSC is operational.

Radiological Assessment Dose Calculator (EOF)

1. At the Alert classification, the Radiological Assessment Dose Calculator (EOF) reports directly to the RAC. Performs radiological dose projection activities and provides assistance to the RAC in radiological assessment and developing Protective Action Recommendations.

Operations Support Center Coordinator

1. Reports directly to Emergency Director and is responsible for coordinating OSC activities with Technical Support Center Coordinator and Operations Coordinator during an emergency. This includes mobilization and dispatching Emergency Repair Teams, Search and Rescue Teams, First Aid Teams, and any other required support personnel.

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ERO POSITION DESCRIPTIONS (Continued)

OSC Communicator

1. The responsibility of the OSC Communicator is to provide the OSC Coordinator with current plant status and information on corrective actions in the plant. The OSC Communicator reports to the OSC Coordinator.

OSC Pool

1. Reports directly to OSC Coordinator and provides the personnel resource needed for emergency repair, search and rescue, first aid and any other required support personnel.

OEC Technical Assistant

1. Reports directly to OEC and is responsible for assisting in coordination of matters related to plant operations and engineering. OEC Technical Assistant ensures compliance with appropriate procedures and federal regulations.

EOF Administrative Director - Is responsible for:

1. Administrative duties such as setup and operations of the EOF and equipment, communications, transportation, meals, lodging, clerical support, security, first aid, facility operation and administering alcohol breath test for EOF personnel. The EOF Administrative Director answers questions relating to actions required by the Plan, related implementing procedures, or state/local emergency plans. Reports directly to Offsite Emergency Coordinator.

EOF Communicator

1. Reports to EOF Administrative Director and is responsible for operation of the communications systems at the Emergency Operations Facility and maintenance of logs and records of all official communications.

Reactor Engineer

1. Reports directly to Technical Manager and is responsible for the performance of core damage estimates.

Radiation Emergency Manager

1. Focal point for offsite environmental, radiological, and health physics support. He reports directly to the Offsite Emergency Coordinator and is responsible for arranging such support, briefing incoming environmental and radiological personnel and helping them provide assistance to the emergency effort.

Radiological Assessment Coordinator

1. Reports to Radiation Emergency Manager and is responsible for technical direction of radiological assessment effort that includes offsite dose calculations, offsite radiological monitoring, and environmental sampling activities.

Offsite Monitoring Team

1. Reports directly to Plume Tracking Specialist and is responsible for conducting offsite radiological monitoring and collecting environmental samples.

Offsite Monitoring Team Driver/Assistant reports directly to the OMT Monitor and is responsible for transportation to the required offsite areas and assisting OMT Monitor as required.

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ERO POSITION DESCRIPTIONS (Continued)

Plume Tracking Specialist

1. Reports to Radiological Assessment Coordinator and is responsible for controlling and directing Offsite Radiological Monitoring teams, tracking the plume, and recording field data for use by the EOF Dose Calculation Specialist.

EOF Habitability Specialist - Is responsible for:

1. Reports to Radiological Assessment Coordinator and is responsible for conducting radiological surveys, sampling and analysis activities in the EOF and advising the REM of the results. He maintains the radiological status board in the EOF and ensures that dosimetry is issued to personnel at the EOF.

Emergency Support Manager

1. The Emergency Support Manager is responsible for procuring emergency equipment, supplies, and services for the Emergency Response Organization during a declared emergency. He reports directly to the EOF Administrative Director.

EOF Food and Lodging Coordinator

1. Reports directly to EOF Administrative Director and is responsible for arrangements for the logistics necessary to provide food and lodging as required for Emergency Response Organization and administers fitness-for-duty tests for EOF personnel.

EOF Facility Coordinator

1. Reports directly to EOF Administrative Director and assists in the setup and operation of EOF facilities and equipment as required and coordinates EOF security and equipment maintenance.

Company Spokesperson

1. Reports directly to Offsite Emergency Coordinator and is responsible for overall operation of the ENMC. This includes preparation of official news bulletins, conduct of media briefings, and Emergency Information Center Operations during an emergency.

Emergency Information Center Coordinator

1. Reports to Company Spokesperson and is responsible for activation and operation of Emergency Information Center.

Emergency Information Center Staff

1. Reports directly to Emergency Information Center Coordinator and is responsible for providing or correcting information to the public. This support is provided in the form of responding to telephone calls from interested parties.

Media Monitor

1. Reports directly to Company Spokesperson and is responsible for recording and comparing TV and radio newscasts with the official news bulletins and releases for deviations from the facts.

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ERO POSITION DESCRIPTIONS (Continued)

Emergency News Media Center (ENMC) Manager

1. Reports to Company Spokesperson and is responsible for general Emergency News Media Center operations. The ENMC Support Staff and ENMC Clerical Coordinator report to the ENMC Manager.

ENMC Support Staff

1. Reports directly to ENMC Manager and is responsible for initial facility setup, and assisting in overall operation of ENMC.

ENMC Clerical Coordinator

1. Reports directly to ENMC Manager and is responsible for management and coordination of the ENMC Clerical Staff.

ENMC Clerical Staff

1. Report directly to ENMC Clerical Coordinator and are responsible for providing clerical support necessary to distribute news bulletins and to assist in setup of ENMC as required.

Technical Spokesperson

1. Reports to Company Spokesperson and is responsible for answering technical questions from news media regarding emergency situation.

Technical Advisors

1. Report to the Technical Spokesperson and are responsible for acting in a technical and operational liaison capacity for the state & local Emergency Operation Centers (EOCs).

EOF Information Specialist

1. Reports to Company Spokesperson and is responsible for collecting and transmitting technically accurate information to the Company Spokesperson, or designee, during emergency events.

Licensing Coordinator

1. Reports directly to the Offset Emergency Coordinator and is responsible for coordinating any required emergency licensing activities.

Engineering Electrical and Engineering Mechanical

1. Reports directly to the Technical Manager and are responsible for the following during an emergency:
 - a. Provide technical input to the Technical Manager for needed repairs during the emergency.
 - b. Develop emergency repair options and instructions for repairs needed during the emergency.
 - c. Identify materials needed for repairs needed during the emergency.

