SECTION 3

EMERGENCY ORGANIZATION

1.0 Normal Management Organization

PSEG is wholly owned by Public Service Enterprise Group, a corporation formed under the laws of the State of New Jersey. Its primary purpose is to provide safe, adequate and reliable electric and gas service to its customers at reasonable rates. Management structure and reporting responsibilities for PSEG are delineated in organizational charts (Figures 2-1 & 2-2). The Manager - Emergency Preparedness has been delegated the authority for developing, implementing, and maintaining a comprehensive program for emergency preparedness. The emergency preparedness program is designed to protect the health and safety of the public and onsite personnel during a nuclear plant accident while interfacing with federal, state and local agencies, and to coordinate the development of offsite and onsite plans.

2.0 Normal Shift Organization

2.1 Operations

The Shift Manager (SM) is normally the senior shift member of the station organization. The SM has the primary management responsibility for safe operation of the station during the shift. The SM maintains an overview of the unit's condition, makes decisions, and directs operations by giving specific directions and responsibilities to the shift personnel. The SM holds a Senior Reactor Operator's License and meets or exceeds the qualifications required by the Facility Technical Specifications.

The Control Room Supervisor (CRS) is an extension of the authority and responsibility of the SM. The CRS maintains an overview of the unit's status and condition. In the areas of operation to which he/she is assigned, the CRS is given the authority and responsibility to make decisions and direct operations by giving specific direction and responsibility to the shift personnel. All operations personnel are subject to the orders, directions and instructions of the CRS as though he/she were the SM.

The CRS coordinates the activities of the shift personnel with the SM to avoid conflicts and to ensure that all operations are performed according to the orders, directions, and instructions of the SM. The CRS holds a Senior Reactor Operator's License and meets or exceeds the qualifications required by Facility Technical Specifications. In the event that the SM is unable to complete a shift, the CRS fills these positions until that position can be recalled from offsite.

Reactor/Plant Operators are assigned to the Control Room in accordance with the requirements of the Facility Technical Specifications. They are responsible for manipulating controls for startup, changing electrical output and reactor power, and plant shutdown, as required. Reactor and Plant Operators take directions from the SM and CRS.

The Equipment Operators perform duties outside the main control room necessary for safe continuous operation of the plant. Their duties include maintaining equipment logs, initiating actions to maintain assigned equipment in a safe condition, and operating auxiliary equipment as necessary to support plant operations. The Equipment Operators take directions from the Licensed Reactor/Plant Operators or CRS.

2.2 Fire Department and First Aid Team

The on-shift fire department is maintained in accordance with Technical Specifications and is staffed by full-time fire protection operators and fire fighters who have received fire-fighting and first-aid training. The fire department's staff reports to the Duty Nuclear Fire Protection Supervisor for normal assignments and directions but receives on-shift direction from the Shift Manager concerning priority response. The First Aid Team is a collateral duty of the Fire Department. The First Aid Team is staffed by personnel who are qualified Emergency Medical Technicians (EMT's) in the state of New Jersey.

2.3 Maintenance

The Shift Controls Technician Electrical are the members of the Maintenance Department who are available to perform surveillance and preventive and corrective maintenance on electrical distribution equipment. This position reports to the Maintenance Department for normal assignments and supervision and receives on-shift direction from the shift maintenance supervisor in coordination with the SM concerning priority repairs to support plant operations.

Maintenance on valves, pumps and other mechanical components is the responsibility of the Maintenance Department Nuclear Technician - Mechanical. These individuals are not included as part of a shift's normal staffing complement but are available, as needed, to support the required repairs. The Scheduled Controls Technician I&C are the members of the Maintenance Department who are responsible for preventive and corrective maintenance on any instrumentation and controls. This position reports to the Maintenance Department for normal assignments and supervision but receives on-shift direction from the shift maintenance supervisor in coordination with the SM concerning priority repairs to support plant operations.

2.4 Technical

The Technical Engineers with specialties in controls, electrical, mechanical, and core thermal engineering, who are assigned to the Technical Support Team, are members of the Engineering Department. The PSEG plant technical support provides primary system engineering support during normal operations.

2.5 Security Organization

The on-duty Nuclear Security Supervisor and the Security Force are responsible for station security. These persons are assigned in accordance with the Station Security Plan and report to the Emergency Services Manager for normal assignments and directions, but receive on-shift direction from the SM, concerning special access control requirements or accountability.

2.6 Radiation Protection/Chemistry Organization

The PSEG Site’s back-shift Radiation Protection/Chemistry Organization consists of one Shift Radiation Protection Technician (SRPT) and one Onshift Radiation Protection Technician (ORPT), who is directed by the SRPT, and one Chemistry Technician.

When Radiation Protection Supervision is not present, the SRPT, ORPT, and any Radiation Protection Technicians (RPTs), who may be on shift, report to the SM. Radiation Protection personnel on the back-shift are normally responsible for conducting routine and special

surveys, operating counting room instrumentation, maintaining access control at the Control Point, writing Radiation Work Permits, and providing job coverage as required.

The Chemistry Technicians are the members of the Station Chemistry Department who are responsible for performing reactor coolant chemistry sampling and analysis. This position reports to the Chemistry Department for normal assignments and supervision, but receives on-shift direction from the SM concerning sampling required to support station operations.

During an Emergency, Chemistry Supervisors and technicians report to the SM, until the TSC is activated. The Chemistry Supervisor(s) and technicians report to the Radiological Assessment Coordinator (RAC), upon activation of the TSC.

3.0 Emergency Organization Functional Description

The emergency organization is explained by functional areas in this section and in Figures 3-1 thru 3-4. Figures 3-1 and 3-2 indicate onsite staffing for the PSEG Site. Detailed job descriptions for each box shown in the figures are provided in Part 9.0 of this section.

4.0 Emergency Direction and Control

The individual functioning in the position of Emergency Coordinator (EC) has overall responsibility to direct and control the emergency response. The function of EC passes from the SM to the Emergency Duty Officer (EDO) and to the Emergency Response Manager (ERM) as the emergency response organization is augmented. Responsibilities and duties of these three emergency response positions, (SM, EDO, ERM) are outlined in paragraph 9.0 of this section. The individual fulfilling the function of EC has the responsibilities listed below which are non-delegable:

- Provide direction, control and coordination of PSEG's emergency response.
- Authorize the expenditure of company funds and commit corporate resources as necessary to implement emergency procedures and/or to mitigate the accident.
- Classify emergencies in accordance with the PSEG Site Event Classification Guides.
- Make decisions to notify and recommend protective actions to offsite agencies.

4.1 On-Shift and Initial Augment

The SM has the emergency coordinator function initially and provides emergency direction and control (unless relieved by an EDO-qualified member of Station Management). The SM has the authority and responsibility to immediately and unilaterally initiate any emergency actions. The CRS takes operational control of the unit while the SM is fulfilling the emergency coordinator function.

The Nuclear Shift Technical Advisor (NSTA) provides an independent engineering assessment of plant conditions and advises the SM of potential problems recognized as a result of the assessment. The NSTA and the CRS or SM may be the same individual.

4.2 Short-Term Augment

Following assumption of the emergency coordinator function (from the SM) by an EDO, the EDO has the authority and responsibility to immediately and unilaterally initiate any emergency actions. The SM then takes control of the unit and is responsible for issuing all orders concerning operations that require direction by a senior reactor operator licensed individual. The CRS assists the SM. The NSTA provides an engineering assessment of plant conditions.

4.3 Long-Term Augment

Following the assumption of the emergency coordinator function (from the EDO) by the Emergency Response Manager (ERM), the ERM has the authority and responsibility to immediately and unilaterally initiate emergency actions. The Site Support Manager (SSM) is responsible for assessing and advising plant-related protective action recommendations to the ERM. The SSM receives plant condition information from the Technical Support Supervisor (TSS) located in the TSC.

The EDO retains the authority and responsibility for immediately and unilaterally initiating measures to protect the plant and onsite personnel.

4.4 Plant Operations

During an emergency, the normal Control Room staff is maintained. A more senior member of the station management, who holds a Senior Reactor Operator's license, may assume direct control of the shift after completing proper relief procedures while the SM shall maintain the EC function until relieved by the EDO. Entry into the Severe Accident Management Guidelines will be in accordance with the station emergency operations procedures.

5.0 Corrective Actions and Support of Operations

5.1 On-Shift and Initial Augment

Upon determination by the SM of an emergency classified as an Alert or higher, the OSC is activated. The PSEG Fire Protection Operators, a Radwaste Operator, Equipment Operators, a Shift Controls Technician Electrical, and a Scheduled Shift Controls Technician I&C report to either the OSC or other onsite location as directed.

This initial group of individuals is under the control of the initial OSC Coordinator. Additional support personnel are called in by the SM.

The Shift Operations Manager or Operations Director are normally expected to report to the Control Room of the affected unit under accident conditions to oversee plant operations and provide guidance and direction, as appropriate, to the SM.

5.2 Short-Term Augment

The initial OSC Coordinator takes control of the corrective action and support function from the SM and acts as an interface between the SM and the OSC support teams. The initial OSC Coordinator assumes the responsibility for directing support of repair, corrective actions, fire

fighting, search and rescue teams, and is responsible for supplementing the OSC staff as needed. The initial OSC Coordinator ensures through coordination with the EDO, that adequate OSC staffing is available prior to accomplishing a site evacuation. In addition to the on-shift staffing, an additional Controls Technician Electrical and Controls Technician I&C are called in.

The augment shall also consist of a supervisory group and respective support personnel functioning under the direction of the OSC Coordinator. The supervisory group consists of representatives from Maintenance, Operations, and Radiation Protection. These supervisors shall operate from the OSC. Support personnel shall report to the Ready Room until required for corrective actions. The Radiation Protection Supervisor for Exposure Control (OSC) shall additionally serve as a liaison between Radiation Protection at the Control Point and the OSC staff.

5.3 Long-Term Augment

The long-term augment consists of additional radwaste operators, electricians and machinists as necessary to support emergency response operations, and is under the control of the OSC Coordinator. This augment may include additional contractual assistance as established through the Administrative Support Manager (ASM) in the EOF.

6.0 Offsite Radiological Accident Assessment

6.1 On-Shift and Initial Augment

The SRPT is the individual responsible for radiological accident assessment on shift and reports to the SM. The SRPT takes direction from the SM, until the TSC is activated. Upon activation of the TSC, the SRPT takes direction from the Radiological Assessment Coordinator (RAC) or his designee.

The SRPT obtains radiological and meteorological data from the Radiation Monitoring System (RMS) and Plant Display Systems. Trained personnel are available on shift to do in-plant and out-of-plant radiation surveys. The SRPT will make offsite dose projections using prescribed methods. These dose projections are used as a basis for offsite radiological protective action recommendations, which the SRPT relays to the SM in the Control Room. The SM considers both the recommendation from the SRPT and his own evaluation of the plant status (predetermined protective action recommendation) to derive an appropriate protective action recommendation to be communicated to offsite authorities. The SRPT also assigns onsite radiation protection and chemistry personnel to obtain radiation monitor data and coolant samples for analysis.

The ORPT takes direction from the SRPT or SM, until the TSC is activated. The ORPT takes direction from the SRPT and the RAC upon activation of the TSC.

6.2 Short-Term Augment

The Radiological Assessment Coordinator (RAC) and additional support personnel report to the TSC to assume responsibility for offsite dose projection and monitoring. The Radiation Protection Supervisor Offsite directs onsite and offsite monitoring personnel and performs/directs dose calculations. The RAC provides information to the communicators to

give the States of Delaware and New Jersey (updates of the Station Status Checklist), to enable the states to calculate an independent offsite dose projection.

6.3 Long-Term Augment

When the Emergency Operations Facility (EOF) is activated, the Radiological Support Manager (RSM) has responsibility for offsite dose projections and offsite field monitoring. The Radiological Support Manager (RSM) directs offsite dose projection and field monitoring from the EOF. Communicators in the EOF assume the duties of providing offsite authorities with updates of the Station Status Checklist.

The Offsite Teams radio survey results to the Field Team Communicator. Radiological assessment staff members make offsite dose projections using either computer or manual calculation methods and Offsite Team survey results.

The dose projections are used as a basis for radiological offsite protective action recommendations, which the RSM provides to the ERM.

The ERM considers both the recommendation from the RSM and the evaluation of the plant status to derive and communicate an appropriate protective action recommendation to offsite authorities via a communicator. The RSM uses additional information from plant sample analysis, State offsite monitoring teams, and other support organizations to provide the best possible radiological dose assessment and protective action recommendation.

7.0 Radiation Protection Onsite

7.1 On-Shift and Initial Augment

The SM is the individual responsible for radiation protection onsite. The SM is supported by SRPT/Chemistry personnel (PSEG Site, Hope Creek and Salem), available to do in plant, onsite radiation monitoring, and systems sampling and analysis. Radiation Protection/Chemistry personnel also support onsite corrective actions, access control, personnel monitoring, dosimetry, search and rescue and first aid.

7.2 Short-Term Augment

As the emergency organization is augmented, additional Radiation Protection personnel report to the Control Point and the TSC. The SRPT continues with dose assessment and reports/gives results to the SM/EDO until relieved by the RAC. When relieved (turnover completed), the SRPT/ORPT assists with Radiation Protection activities at the CR, CP, TSC, and OSC, as needed and directed by the RAC or his designee.

The RAC assumes responsibility for Onsite Radiation Protection/ Chemistry personnel. Radiation Protection personnel at the Control Point report to the SRPT/ORPT, who in turn reports to the RAC. Chemistry personnel at the Control Point report to the Chemistry Supervisor, who is located at the TSC. Additional support personnel are shown in Emergency Organization Figure 3-2.

7.3 Long Term Augment

The RAC continues to be responsible for onsite radiation protection at the TSC and CP. The Radiation Protection staff is augmented as required by the emergency conditions. Additional Radiation Protection personnel report to the SRPT/ORPT at the Control Point who, in turn, report to the RAC at the TSC.. This augment may include additional contractual assistance as established through the ASM in the EOF.

8.0 Plant Systems Assessment and Engineering

8.1 On-shift and Initial Augment

The NSTA, an individual experienced in core analysis and thermal hydraulics, provides plant systems assessment and evaluates plant conditions relative to emergency action levels. Recommendations for protective actions are made to the SM on plant conditions.

8.2 Short-Term Augment

The NSTA, or Incident Assessor, normally remains in the control room and directly advises the SM on plant assessment. The short-term augment personnel for the areas of Core/Thermal Hydraulics, Nuclear Fuels, Mechanical Engineering and Electrical Engineering report to the Technical Support Supervisor in the TSC.

At the TSC, the Technical Support Supervisor (TSS) takes command and direction of the technical support team led by the Technical Support Team Leader (TSTL). The TSS is responsible for making technical plant assessments and providing recommendations on protective actions to the EDO.

The technical support team in the TSC/EOF is a group of engineers providing engineering support for the TSC and Control Room. The technical support team, under the direction of the Technical Support Team Leader (TSTL), is comprised of engineers familiar with plant operational specifics and provides an assessment of plant systems and trends. As needed, additional engineers may be directed to report to the EOF to augment the engineering resources as part of the emergency response or to assist with recovery.

8.3 Long-Term Augment

Assistance for the Technical Support Team in the TSC will be coordinated via the Technical Support Manager (TSM) in the EOF. The TSM shall call out technical support personnel and supply the TSC with support and information as required.

The TSM in the EOF directs and coordinates engineering support (requested from TSC) and any construction efforts required by the emergency response.

9.0 Emergency Organization Job Descriptions

The following job descriptions are the responsibilities and duties of the emergency response organization personnel as delineated in Figures 3-1, 3-2, 3-3, and 3-4. Position titles in figures 3-1, 3-2, 3-3, and 3-4 designated by an asterisk indicates that the position is optimal “support responder”, but not required. Position titles in figures 3-1, 3-2, 3-3, and 3-4 not designated by

an asterisk indicates that the position is a required ERO on-shift position or ERO "duty responder" position. See "Maintenance of the ERO" procedure for more information on expectations concerning "support responder" and "duty responder" positions.

9.1 A. EMERGENCY DIRECTION AND CONTROL

A.1 Emergency Response Manager (ERM)

The ERM has overall responsibility for management of onsite and offsite emergency response activities. The ERM assumes EC functions from the EDO. When performing the function of EC the ERM is responsible for non-delegable duties as described in Part 4 of this section.

Duties:

1) An ERM is available 24 hours a day.

2) Upon classification of an **ALERT**, the ERM, with coordination from the EDO, makes the decision to activate the Emergency Operations Facility (EOF) organization.

3) Upon classification of a **SITE AREA** or **GENERAL EMERGENCY,** the ERM is required to activate the EOF organization.

4) The ERM keeps corporate management advised of plant status and significant emergency response operations.

5) Upon arrival at the EOF, the ERM keeps a log of actions taken.

6) The ERM has ultimate authority and responsibility for the dissemination of technical information concerning plant conditions and emergency response operations.

7) The ERM acts as the principal corporate interface between the company and all other organizations.

8) In carrying out the duties of the position, the ERM designates alternates or others to act in his/her behalf as he/she deems necessary except for those functions considered as non-delegable.

9) The SSM may assume the ERO position of ERM to include EC functions, if the ERM is unable to fill the position.

A.2 Site Support Manager (SSM)

The SSM reports to the ERM and is responsible for providing information to the ERM on plant conditions which may result in Protective Action Recommendations (PARs) to offsite authorities, or classification escalation.

Duties:

1) Reports to the ERM.

2) Coordinates with and is an interface between the TSC and the ERM.

3) Communicates with the TSS and is knowledgeable of current plant conditions such that he can determine if Emergency Action Levels (EALs) have been exceeded or if issuance of Protective Action Recommendations (PARs) is required.

4) Provides input information for plant condition PARs to the ERM. Also directs callouts for PARs transmitted to the states.

5) Responsible for providing technical information and briefings to the Public Information Liaison (PIL).

6) Upon notification of an emergency, the SSM notifies any additional individuals needed to support the site support function.

7) Upon arrival at the EOF, the SSM keeps a log of actions taken.

8) Notifies the ERM when prepared to assume site support functions in accordance with Emergency Plan Implementing Procedures.

9) Responsible for coordination and assignment of offsite support to individuals within the emergency response organization.

10) Assumes the ERO position of ERM to include EC functions, if the ERM is unable to fill the position.

A.3 Emergency Duty Officer (EDO)

The EDO relieves the SM of the EC function and all accident management except plant operations. When performing the functions of the EC the EDO is responsible for the non-delegable duties as described in Part 4 of this section.

Duties:

1) If possible, reports to the Control Room initially to receive a turnover of the EC function and responsibility for emergency direction and control from the SM.
2) Evaluates plant and radiological conditions.

3) When acting in the EC function, responsible for ensuring accomplishment of the necessary assessment of offsite radiation concentrations resulting from a release.

4) Determines alternate locations to be used to assemble emergency personnel; ensures onsite/offsite communications are established.

5) Responsible for activating the TSC.

6) May call in additional station management as necessary.

7) Reviews near-term and long-term actions taken by the SM and briefs the SM on all significant information and actions taken.

8) Responsible for providing the point of contact with the NRC onsite.

9) Has the authority to order any required Protective Actions for onsite personnel.

10) Ensures all injured personnel receive proper assistance.

11) Ensures the dispatch of emergency/survey teams as required by the emergency conditions.

12) The TSS may assume the ERO position of EDO to include EC functions, if the EDO is unable to fill the position.

A.4 Shift Manager (SM)

The SM initially assumes the EC function and is responsible for initiating the necessary immediate actions to limit the consequences of an accident and bring the affected unit under control. When performing the function of EC, the SM is responsible for the non-delegable duties as described in Part 4, Emergency Direction and Control, of this Section in the Emergency Plan.

Duties:

1) Notifies and briefs the EDO of an emergency and determines the need for summoning additional personnel.

2) Evaluates plant and radiological conditions when in the EC function.

3) Maintains all required records in accordance with emergency preparedness implementing procedures.

4) Initiates the required telephone notifications of offsite agencies, until the EDO assumes this responsibility.

5) Keeps the EDO informed of plant status.
6) Directs the operation of the plant in compliance with all normal plant procedures, directives, technical specifications, emergency procedures and severe accident guidelines.

7) Establishes priorities for OSC response activities.

A.5 Emergency Preparedness Coordinator (EPC)

The EPC assists the ERM in evaluating the overall emergency response from the EOF. Additionally, the EPC assists in the assignment of response actions and provides resource and action guidance with respect to the emergency plan and emergency response commitments.

Duties:

1) Reviews data transmitted to offsite organizations.

2) Assists ERM in review of applicable procedures.

3) Provides guidance on offsite interface.

4) Assists ERM in developing/reviewing protective action recommendations.

5) Verify notifications for changes in classifications or PARs.

9.2 B. PLANT OPERATIONS

B.1 Nuclear Shift Technical Advisor (NSTA)

The NSTA is the accident assessment advisor to the SM during emergencies. The NSTA may be the same individual as the CRS if all requirements are met. The NSTA's primary duty is to provide technical operational advice to the SM during the emergency.

If the NSTA is the CRS or SM, then another SRO shall assist the NSTA as the "Incident Assessor" during unexpected or transient conditions. Responsibilities of the "Incident Assessor" include:

- Remain within 10 minutes of the Control Room
- Advisor to the SM on matters of safety and act as an assistant to the NSTA.
- During transient and accident conditions:
  - Maintain an overview role of plant operations
  - Monitor critical safety functions
  - Verify critical steps of EOPs and transitions
  - Perform independent assessments and diagnosis or plant conditions
  - Perform independent verification of Emergency Classifications
  - Provide recommendations to the SM and/or CRS

B.2 Control Room Supervisor (CRS)

The CRS assists the SM during the emergency.

Duties:

1) Brief the SM and EDO as necessary.

B.3 Reactor Operator/Plant Operator (RO/PO)

The RO/PO supports the CRS in emergency assessment and plant emergency response.

Duties:

1) Provide additional assistance as directed by the CRS to mitigate effects of an emergency situation.

2) Manipulate controls for routine and, if necessary, emergency operations for the affected unit in accordance with the operating and emergency instructions.

B.4 Control Room Communicators (CM1/CM2)

The CM1/CM2 relay official messages during an emergency for the SM, and gather plant data to be transmitted to emergency response facilities.

Duties:

1) At the request of the SM, deliver emergency notification messages to federal, state, and local authorities.

2) Call up additional personnel as requested.

B.4.A Communicator - OPS Advisor

Gathers plant data and transmits it to other Emergency Response Facilities.

B.5 Equipment Operators (EO)

The EOs assist the CRS and RO/PO in accident assessment and emergency response operations.

Duties:

1) Operate plant equipment, including radwaste equipment, in support of emergency response and recovery operations.

2) Maintain equipment and associated logs.

3) Conduct search and rescue operations, if needed.

9.3 C. CORRECTIVE ACTION AND SUPPORT OF OPERATIONS

C.1 Operations Support Center Coordinator (OSCC)

The OSCC directs plant personnel in support of repair, corrective actions, fire fighting, search and rescue teams. The OSCC also acts as an interface between the SM and the OSC Support teams.

1) Activates OSC, and assembles team.

2) Confirms team is briefed and radiologically equipped.

3) Directs fire fighting personnel during a fire emergency.

4) Provides the SM with status reports of repair and corrective actions.

C.2 Scheduled Controls Technician Instrument and Controls (I&C)

The Scheduled Controls Technician I&C assists in repair tasks as requested by the SM, OSCC, or OSC Support Supervisor.

Duties:

1) Activating equipment and monitoring equipment operation.

2) Receives direction from the Maintenance Supervisor or OSC Coordinator.

3) If assigned to the unaffected stations, support affected station as needed.

C.3 Shift Controls Technician Electrical

The Shift Electrician assists in repair related tasks as requested by the SM, OSCC, or OSC Support Supervisor.

Duties:

1) Supports the repair and corrective actions during emergency response and recovery operations.

2) Receives direction from the OSCC.

3) If assigned to the unaffected stations, support affected station as needed.

C.4.A OSC Operations Supervisor
C.4.B OSC Support Maintenance Supervisor
C.4.C OSC Shift Maintenance Supervisor

These OSC Support Supervisors report to the OSCC. They are responsible for providing supervision of on-shift operations and maintenance support personnel in the OSC. The OSC Shift Maintenance Supervisor will act as the OSC Coordinator until relieved.

Duties:

1) Assemble OSC teams as requested.

2) Coordinate corrective action.

3) Verify appropriate briefings, protective equipment, and dosimetry have been obtained by each team dispatched.

C.5.A OSC Radwaste Operator
C.5.B Nuclear Tech - Mechanical
C.5.C This designator is not used
C.5.D Controls Tech Electrical
C.5.E Controls Tech - I&C

These OSC Support Team Members report to their respective OSC Supervisors at the OSC. Assignments and responsibilities vary, but all disciplines provide general technical and specialist support as requested. Members are frequently assigned to corrective actions and repair teams.

Duties:

1) Activate or monitor equipment.

2) Assess damage, determine condition, or report status of plant/plant equipment.

3) Receive direction from the Maintenance Supervisor.

C.6 Fire Brigade

The Fire brigade reports to the OSCC and provides fire protection support to the Station.

Duties:

1) Provide fire fighting and first aid support.

2) Conduct search and rescue operations.

3) Conduct survey, repair and corrective actions.

C.7 This designator is not used

C.8 Planner

The planner reports to the OSCC to provide support to the OSC in material control, repair and corrective action activities.

Duties:

1) Supply/obtain support materials as needed for OSC activities.

2) Assist in tagouts, parts identification, and procurement.

C.9.A This designator is not used
C.9.B This designator is not used

C.10 OSC Clerk

The OSC Clerk reports directly to the OSCC and provides administrative support to the OSC.

Duties:

1) Update OSC Status Boards and maintain the OSCC logbook.

2) Provide general clerical and administrative support to the OSC.

9.4 D. RADIOLOGICAL ACCIDENT ASSESSMENT

D.1 Radiological Support Manager (RSM)

The RSM reports to the ERM and is responsible for offsite assessment of potential or actual radiological consequences to the public. The RSM provides assistance to the RAC, as necessary.

Duties:

1) The RSM reports to the ERM.

2) The RSM is responsible for offsite dose assessment after the EOF has been activated. Prior to activation of the EOF organization, the RAC has this responsibility.

3) The RSM provides field monitoring teams for offsite radiological evaluation.

4) The RSM ensures radiological dose calculations are made.

5) The RSM provides input information on potential or actual radiological releases or consequences and PARs to the ERM. The RSM communicates with the States of Delaware and New Jersey, and relays radiological information and other pertinent information to them.

6) The RSM initiates and coordinates long-term environmental monitoring. Long-term assistance may also be drawn from other nuclear power utilities and contractors.

7) The RSM establishes communication with medical assistance facilities and personnel to put the Emergency Medical Assistance Plan into operation, if necessary. Contact is established as defined in the Emergency Medical Assistance Plan.

8) After the emergency is under control and evacuation of the public is no longer likely, the RSM assists station personnel to determine efforts which may be used to further reduce exposures to the station operating personnel and to the public. The doses are evaluated for the duration of the exposure.

D.2 Radiological Assessment Staff - EOF

The D2A position's primary responsibility is performing and assessing dose assessment calculations with respect to making appropriate PAR recommendations to the RSM in accordance with Emergency Plan Implementing Procedures. This includes the completion of the Station Status Checklist, page 2. Additional duties the D2A position may be called upon to perform are the same as the D2B and D2C positions, listed below.

D.2.A Radiological Assessment Staff – EOF Duty
D.2.B Radiological Assessment Staff – EOF Supp

D.2.C Radiological Assessment Staff – EOF Supp

1) Assists station personnel to determine efforts, which may be used to further reduce exposures to the station operating personnel and to the public.

2) Complete the radiological portion of the NRC Data Sheet.

3) Coordinates and directs offsite monitoring from the EOF.

4) Monitors the habitability of the EOF.

5) Updates the radiological status boards.

6) Issues dosimetry to EOF personnel, as directed by the RSM.

7) Provide radiological assessment data to the SSM, Communicators, and State representatives.

D.3 Offsite Team Coordinator/Field Team Communicator

Responsible for maintaining offsite communications with Field Teams in the EOF.

Duties:

1) Establishes continuous communications with the Offsite Teams.

2) Ensures that Offsite Teams are kept up-to-date on the status of the emergency.

3) Evaluates data provided by the Field Teams to track the plume and confirm the dose estimates.

D.4 Offsite Team Members

Responsible for radiological support offsite as directed by the EOF.

D.4.A Offsite Team Monitor

Duties:

1) Performs offsite radiation and air sampling surveys as directed by the Radiological Support Manager or Radiological Assessment Coordinator.

2) Informs EOF or TSC of survey results.

D.4.B Offsite Team Driver

1) Drives to offsite locations.

2) Assist Offsite Team Monitor as appropriate.

9.5 E. RADIATION PROTECTION ONSITE

E.1 Radiological Assessment Coordinator (RAC)

The RAC, usually located in the TSC, assists the SM/EDO in matters relating to radiological problems during the emergency and provides radiological assessment and recommendations for protective action recommendations to the EDO. Upon an Alert or higher classification, the unaffected unit's duty RAC will report to the affected Station's Radiation Supervision to fulfill Radiation Protection Technician (RPT) duties, until relieved by RPTs who have been called in.

Duties:

1) Supervise the onsite Radiation Protection Organization.

2) Supervise the onsite Chemistry Organization.

3) Ensure that the TSC is ready for radiological response activation.

4) Ensure adequate emergency response staff for radiological and chemistry assessment.

5) Advise EDO on all station/site radiological issues.

6) Advise EDO on all offsite radiological issues.

7) Make final EAL recommendations to EDO on radiological issues.

8) Make recommendation of protective action to the EDO for onsite personnel (including onsite evacuation).

9) Make final radiological PARs to EDO for offsite personnel.

10) Advise/recommend applicable emergency dose authorization extensions to the EDO.

11) Provide the Station Status Checklist Radiological Data Section to EDO, or designate, until the EOF takes responsibility of performing this function.

12) Interface directly with the RSM at EOF.

13) Interface directly with the NRC in the TSC, or by phone, on specific radiological issues.

14) Direct/review dose assessment at the TSC.

15) Ensure appropriate contamination controls are established for all on-site emergency response facilities.

16) Direct vehicle surveys and decontamination, as required, if the EOF is not activated. Assist the RSM in vehicle surveys and decontamination, as required, if the EOF is activated.

17) Direct effluent sampling and analysis.

18) Recommend expenditures for additional equipment or staff to support accident response.

19) Direct all onsite radiological and bioassay sampling.

20) Decide when and who shall receive potassium iodide (KI) for all onsite personnel.

E.2.A Radiation Protection Supervisor – Offsite (TSC)

The Radiation Protection Supervisor – Offsite (RPS - Offsite) is a common position among PSEG Site, Hope Creek and Salem Nuclear Generating Stations. During multi-station events, the RPS – Offsite will initially report to the Station that paged him to come in first. Upon arrival, the RPS – Offsite will report to the Station that has the most significant radiological concern, according to the RAC or the EDO.

Duties:

1) Advise RAC of all radiological conditions.

2) Perform dose calculations and provide RAC with recommendations on onsite protective actions for the owner controlled area as appropriate.

3) Coordinate effluent, steam lines, liquid, and plant vent sampling and analysis.

4) Direct onsite readings for projection purposes and provide findings to the EDO and RSM staff.

5) Interface with Control Point on plant vent samples.

6) Supervise the radiation protection radio operator and the onsite field monitoring team.

7) Ensure onsite radiological monitoring for evacuees or personnel gathered at assembly stations is being performed.

8) Ensure onsite groups being moved or evacuated are receiving appropriate radiation protection escort(s).

9) Assume control of offsite field monitoring teams until EOF takes control for the teams.

10) Assume limited RAC duties in accordance with appropriate emergency plan implementing procedures.

E.2.B Radiation Protection Supervisor - Exposure Control (OSC)

Upon an Alert or higher classification, the unaffected station E.2.B on-duty position will report to Radiation Protection Supervision to fulfill RPT duties, until relieved by RPTs. During multi-station events, the E.2.B position will report to their station duty facilities (OSC).

The RPS - Exposure Control (OSC) coordinates with the OSC staff in order to facilitate timely in-plant OSC repair corrective action missions, which includes search and rescue and medical support missions.

Duties:

1) Interface directly with OSCC and SM on repair corrective action missions.

2) Support radiation work permits and approve authorization reviews for repair corrective action missions.

3) Coordinate RP support personnel for repair corrective action missions with SRPT/ORPT/RAC.

4) Provide radiological planning for repair corrective action missions.

5) Provide mission and status information to RAC or RPS – Offsite, as time allows.

6) Implementation of protective actions concerning contamination and habitability for OSC/CR.

7) Coordinate dose extensions to appropriate values for the emergency response organization, including emergency dose authorization, in accordance with appropriate emergency plan implementing procedures.

8) Supervise RP Technicians assigned to the OSC.

E.3 Radiation Protection Technicians (RPT)

The RPT is responsible for radiological support for repair, corrective action, search and rescue, and medical support missions.

Duties:

1) Perform onsite radiation and air sampling surveys.

2) Conduct operational checks on all equipment.

3) Perform dose calculations.

4) Perform access control, and issue dosimetry.

5) Decontaminate personnel and equipment.

6) Provide sampling results to appropriate RPS.

7) Assist in Radiological Work Permits (RWP) preparation.

8) Support Repair corrective action missions as required.

9) Maintain communication with the Control Point.

10) Provide communications to onsite and offsite Field Teams (RPT – Radio).

11) Perform onsite/offsite radiological monitoring.

12) Issue radiological monitoring equipment.

13) Initiate, perform, and assist in sampling and analysis of samples.

14) If assigned to the unaffected stations, support affected station as needed.

E.3/E.4 Shift Radiation Protection Technician E.4 (SRPT)/Onsite Radiation Protection Technician E.3 (ORPT)

The SRPT/ORPT will assist and advise SM with respect to radiological conditions prior to TSC activation.

Duties:

1) Perform initial dose assessment.

2) Advises SM on radiological matters prior to being relieved by an RPS.

3) Evaluate Radiation Monitoring System (RMS) and provide long term RMS information to all Emergency Response Facilities.

4) Provide CR contamination control/habitability monitoring.

5) Support repair and corrective action missions with personnel and equipment (medical, search and rescue, fire fighting, escort, etc.)

6) Assist with count room activities and direct instrument issue activities.

7) Assist in radwaste activities.

8) Coordinate inplant surveys, obtain inplant samples (noble gas/iodine), and effluent grab samples.

9) Direct access control and dosimetry issue.

10) Request dosimetry and whole body count support for inplant personnel.

11) Coordinates decon of personnel and equipment.

12) Assess RMS readings for inplant habitability and protective equipment use.

13) Coordinate, initiate, perform, and assist in sampling and analysis of samples.

14) If assigned to the unaffected stations, support affected station as needed.

E.5 Chemistry Supervisor

The Chemistry Supervisor, located at the TSC, coordinates Chemistry's response for sampling and analysis functions. The Chemistry Supervisor reports to the RAC. This is a common position among PSEG Site, Hope Creek and Salem Generating Stations and during multi-station events, the Chemistry Supervisor will initially report to the station that first paged him/her. He/She will upon arrival report to the station that has the most significant chemistry concern, according to the RAC and/or the EDO's guidance.

Duties:

1) Coordinates Chemistry personnel activities.

2) Directs and coordinates high activity samples, main steam sampling, and analysis of samples.

3) Coordinates activation of high activity sampling systems and necessary ventilation systems in those areas.

4) Relays sample analysis data to the RAC and then the RSM once the EOF is activated.

5) Coordinates sample results with the Core Thermal-Hydraulics Engineer and the Technical Support Team Leader.

6) Initiates sample log.

7) Augments Chemistry Staff when necessary.

8) Coordinates with Core Thermal-Hydraulics Engineer in the TSC.

E.6 Chemistry Technician (CT)

The CT will assist and advise the Chemistry Supervisor with respect to sampling activities from the Control Point.

Duties:

1) Directs and coordinates high activity samples, main steam sampling, and analysis of samples.

2) Disassembles, assembles, and operates the multi-channel analyzer.

3) Establishes backup laboratory facility.

4) Coordinates activation of high activity sampling systems and necessary ventilation systems in those areas if the TSC is not activated.

5) CT at the unaffected station should support the affected stations CT and if needed, support RP with onsite/offsite monitoring (driver).

9.6 F. PLANT SYSTEMS ASSESSMENT AND ENGINEERING

F.1 Technical Support Supervisor (TSS)

The TSS has overall responsibility for tracking and trending plant conditions, identifying plant condition EALs, and providing advice on PARs to the EDO, and when the EOF is activated, the SSM. The TSS is the lead evaluator and decision maker for the Severe Accident team.

Duties:

1) The TSS reports to the EDO.

2) The TSS evaluates the potential for an offsite radiological release based upon plant conditions in accordance with EALs. Prior to activation of the EOF, these evaluations are provided to the EDO for action. After activation of the EOF, these evaluations are provided to the SSM for action and the EDO for information.

3) The TSS provides advice to the EDO on priorities for plant repair and corrective actions.

4) The TSS is responsible for analysis and development of plans and procedures in direct support of operations personnel with the objective of placing the plant in a safe shutdown condition in a manner, which minimizes any adverse health and safety effects on the public.

5) The TSS obtains an evaluation of instrument and controls problems from the Technical Support Team, determines alternatives, and coordinates the installation of short-term instrument and controls modifications.

6) The TSS directs the actions of the Technical Support Team Leader and the Technical Support Team in the TSC.

7) The TSS may assume the ERO position of EDO to include EC functions, if the EDO is unable to fill the position.

8) The TSS directs plant operations by providing specific instructions directly to shift personnel, after Severe Accident Management Guidelines (SAMG) transition has been made.

F.2 Technical Support Team Leader (TSTL)

The TSTL is responsible for coordination and guidance of the engineering support in the TSC. The TSTL will be the primary interface at the TSC for the TSM in the EOF and will coordinate all engineering support required from the EOF.

Duties:

1) The TSTL reports to the TSS.

2) Coordinates all engineering tasks requested by the SM and the EDO.

3) Coordinates/Requests engineering support from the Technical Support Manager (TSM) at the EOF.

4) Serves as primary point-of-contact in TSC for TSM.

F.3 Engineer - Electrical

The Engineer - Electrical develops recommendations concerning plant operations relating to electrical systems and equipment for the TSTL.

Duties:

1) Analyzes plant electrical systems and equipment to determine current operating condition.

2) Reviews proposed plant operations with respect to electrical systems.

3) Receives instructions from and reports findings to the TSTL.

F.4 Engineer - Mechanical

The Engineer - Mechanical develops recommendations concerning plant operations relating to mechanical system for the TSTL. The Mechanical Engineer is an evaluator on the Severe Accident Management team.

Duties:

1) Forecast future values of EOP and SAG control parameters (parameter trending).

2) Identify plant conditions as they relate to EOP and SAG control parameters and specify the state of the plant with respect to those parameters.

3) Evaluate plant conditions, control room indications, and control parameters to determine core status.

4) Determine operability of a system and its availability.

5) Develop a methodology to restore a system.

6) Recommend appropriate EOP/SAG actions to follow based on trends, indications, or calculations.

7) Receives instructions from and reports to the TSTL.

F.5 Engineer - Controls

The Engineer - Controls develops engineering recommendations for the TSTL concerning control systems impacted by an emergency.

Duties:

1) Provides control systems accident assessment.

2) Analyzes plant control systems requiring trouble-shooting during an emergency.

3) Receives instructions from and reports to the TSTL.

F.6.A Core Thermal-Hydraulics Engineer

NOTE: If needed to ensure timely availability, the CTHE may report to and perform assigned duty from the EOF.

The Core Thermal-Hydraulics Engineer (CTHE) develops recommendations for plant operations that would affect safe core conditions for the TSTL. The Core Thermal-Hydraulics Engineer provides fuel damage assessment information to the TSS, RAC, TSM and RSM.

Duties:

1) Analyzes core parameters to determine current conditions of the core.

2) Reviews proposed plant operations with respect to the effect on the core conditions.

3) Evaluates fuel damages based core thermal conditions, radiological conditions and specific chemistry samples.

4) Coordinates high activity reactor coolant sampling with the Chemistry Supervisor and the RAC.

5) Receives instructions from and reports to the TSTL.

F.6.B This designator is not used

F.7 Emergency Preparedness Advisor (EPA) - TSC

The EPA reports to the EDO. The EPA is responsible for directing and supervising the activities of the TSC Communicators in obtaining and routing operational and radiological data.

Duties:

1) Verify that required offsite/onsite notifications are made and that notifications/responsibilities are turned over properly when control is passed from one facility to another.

2) Ensure that operational and radiological data are obtained, posted, and distributed in the TSC.

3) Assist in testing and maintaining communication systems in the TSC and other onsite facilities.

4) Provide resource and action guidance with respect to the emergency plan and emergency response commitments.

F.8 TSC Communicator (TSC1/TSC2)

The TSC Communicators (TSC1/TSC2) report to the EPA/EDO at the TSC and are responsible, at direction of the EPA/EDO, to make official notifications, and to obtain and transmit data.

Duties:

1) Make required notifications.

2) Obtain operational and radiological data.

3) Transmit data when required.

F.8.A This Classification is not used.
F.8.B OPS Advisor - TSC

The OPS Advisor - TSC reports to the TSS at the TSC and is responsible, at direction of the TSS, to obtain plant status information from the control room, keep TSC supervisors informed of plant status, assist in status board maintenance and serve as a backup to either one of the TSC Communicator positions (CM1/CM2). The Ops Advisor is an evaluator on the Severe Accident Management Team.

Duties:

1) Forecast future values of EOP and SAG control parameters (parameter trending).

2) Recommend appropriate EOP/SAG actions to follow based on trends, indications, or calculations.

F.9 Technical Support Manager (TSM)

The TSM is responsible for coordinating the need for engineering design changes and plant modifications as well as any engineering support requested by the TSC.

Duties:

1) Receives directions from and reports results to the ERM.

2) Conducts emergency response callout for the engineering support personnel as needed.

3) Make recommendations concerning event mitigation.

4) Coordinates support activities with the TSTL in the TSC.

F.10 This designator is not used
F.11 This designator is not used

9.7 G. PUBLIC INFORMATION

G.1 Company Spokesperson (CS)

The CS is a senior management representative responsible for representing PSEG in news media briefings.

Duties:

1) Act as official Company Spokesperson.

2) Counsel PSEG top corporate management on status of accident and Emergency News Center/Joint Information Center (ENC/JIC) briefings.

3) Give direction to Lead Technical Advisor, ENC Manager, and Staff Writers.

4) Upon ENC/JIC activation, review and approve News Bulletins and other releases to the media.

5) Supervise rewriting of News Bulletins and other media information into format for rumor control operations and Muskrat Information Line for employee call-in.

G.2 Emergency News Center Manager (ENCM)

The ENCM is responsible for the overall operation of the ENC/JIC including the dissemination of information and media monitoring.

Duties:

1) Coordinate the dissemination of media information from the ENC/JIC.

2) Approve News Bulletins when directed by CS or if CS is unavailable.

3) Ensure information is coordinated with and disseminated to County, State, and Federal representatives at the ENC/JIC before it is released to the media.

4) Coordinate media briefings with PSEG Nuclear, industry, County, State and Federal representatives.

5) Ensure approved ENC/JIC News Bulletins and other media releases are distributed to PSEG corporate offices, co-owners, and the industry.

6) Provide information to Media Information Line operators for dissemination to news outlets.
7) Direct activities of the Industry/Government Affairs Coordinator, Rumor Control Coordinator, and Operations Supervisor.

G.3 This designator is not used
G.4 This designator is not used
G.5 Industry/Government Affairs Coordinator

The Industry/Government Affairs Coordinator (IGAC) is responsible for maintaining contact with industry group representatives, PSEG Government/Federal Affairs Departments, Lower Alloways Creek Township, County and State officials to provide them information about the emergency. The IGAC reports to the ENC Manager.

Duties:

1) Establish contact with the co-owners and Board of Regulatory Commissioners to inform them of the emergency event and keep them updated on changes in status.

2) Advise Institute of Nuclear Power Operations (INPO) and Nuclear Energy Institute (NEI) [formerly United States Council on Energy Awareness (USCEA)] on the status of the emergency.

3) Update General Manager - Federal Affairs or designee on emergency status.

4) Update General Manager - State Governmental Affairs on emergency status.

5) Update LAC Township's Liaison about emergency event.

G.6 Rumor Control Coordinator (RCC)

The RCC is responsible for coordinating the media monitoring effort and dissemination of information about the emergency using the Company's Rumor Control Network.

Duties:

1) Activate PSEG's rumor control lines.

2) Provide Media Monitors, Media Line Operators and Rumor Control Centers with updated News Bulletins and other approved information about the emergency.

3) Update wire services as News Bulletins are issued.

G.7.A <u>This designator is not used</u>
G.7.B <u>Media Monitors</u>

Media Monitors are responsible for reviewing media reports for accuracy and reporting discrepancies and misinformation to the Rumor Control Coordinator.

Duties:

1) Review and record radio and television news programs and bulletins related to the emergency.

2) Inform Rumor Control Coordinator of incorrect or misleading television and radio accounts of the emergency.

3) Clarify incorrect or misleading information with television and radio stations when directed.

G.8.A <u>Staff Writer - Duty</u>
G.8.B <u>Staff Writer - Support</u>

The staff writer is responsible for composing News Bulletins and other information for the media about plant conditions and emergency response activities.

Duties:

1) Write News Bulletins and prepare other information for the media.

2) Provide News Bulletins to the Company Spokesperson for review and approval.

G.9.A <u>This designator is not used</u>
G.9.B <u>Media Information Line Operator</u>

The Media Information Line Operator is responsible for operating Media Information Telephone Bank and ensuring the media is provided with timely and accurate information about the emergency.

Duties:

1) Provide the media with News Bulletins and other approved information.

2) Refer State-related inquiries to appropriate State information sources.

G.10.A Lead Technical Advisor (LTA)

The LTA is responsible for maintaining contact with TSC and EOF to track status of emergency event and provide information to the Company Spokesperson and ENC/JIC staff.

Duties:

1) Direct activities of other Technical Advisors at the ENC/JIC.

2) Report directly to the Company Spokesperson.

3) Provide technical briefings to the ENC/JIC staff and others as directed by the Company Spokesperson.

4) Receive information from the EOF facility or leads briefing.

G.10.B Media Technical Advisor (MTA)

The MTA is responsible for providing the media with general technical information about the PSEG Site and the nuclear industry.

Duties:

1) Obtain News Bulletins and technical details of the emergency.

2) Provide media at ENC/JIC with Press Kits and other approved information about the emergency event.

3) Interface with media at ENC/JIC on plant-related questions and provide general technical information.

G.10.C Communications Technical Advisor (CTA)

The CTA is responsible for keeping the Staff Writer and other ENC/JIC staff informed about the emergency event and providing understandable technical information.

Duties:

1) Obtain current and accurate information about the emergency event.

2) Update the ENC/JIC staff on plant status and the emergency event.

3) Report to the TSC if directed to do so by the LTA and provide timely and accurate information about the emergency event to the ENC/JIC.

4) When the EOF is activated and the PIL is functioning, report to the ENC/JIC and receive further direction from the LTA.

G.11 ENC Operation Supervisor (ENCOS)

The ENCOS is responsible for directing Administrative Operations in the ENC/JIC and reports to the ENC Manager.

Duties:

1) Supervise setup of the ENC/JIC and ensure proper operation of equipment.

2) Direct Administrative Support Staff members, Audio-Visual Services Coordinator, and facility support functions. Direct facility access control if Sheriff's deputies are not available.

3) Provide facility support functions such as access control, food, first aid, augmented staffing and equipment needs, and relief staffing.

G.12 This designator is not used

G.13 Public Information Liaison (PIL)

Obtain timely and accurate information at the EOF and transmit it to the ENC/JIC.

Duties:

1) Provide timely and accurate information about the emergency event to the ENC/JIC.

2) Respond to requests for information from the ENC/JIC via the Communications Technical Advisor.

G.14 Public Information Manager (PIM)

The PIM is the on-call staff member of Nuclear Communications who is responsible for representing PSEG as the Company Spokesperson until activation of the ENC/JIC. The PIM has the authority to release information provided by the Emergency Coordinator concerning any event at the PSEG Site that may be of interest to the media and the public.

Duties:

1) On-call to receive notifications of emergency and non-emergency events that are of potential interest to the media and the public in accordance with the Event Classification Guides (ECG) from the SM/EDO and other approved sources.

2) Write and issue News Bulletins based on information provided by the Emergency Coordinator and other approved sources.

3) Turnover duties to Company Spokesperson at ENC/JIC when the ENC/JIC is activated.

9.8 H. This designator is not used

9.9 I. SITE ACCESS CONTROL AND ACCOUNTABILITY

I.1 Security Liaison (TSC)/Security Operations Supervisor Main Guard House (MGH)

The Security Liaison reports to the EDO. The Security Liaison is responsible for coordinating aspects of site evacuation and personnel accountability. The Security Operations Supervisor works for the Security Liaison and coordinate site evacuation and personnel accountability activities at the MGH.

Duties:

1) Verify accountability is established.

2) Assist in the coordination and control of site evacuation.

3) Maintain personnel entry log at the TSC.

4) Provide emergency vehicle support.

I.2 Site Security Coordinator (SSC)

The SSC reports to the EDO. The SSC is responsible for overseeing all security operations during an emergency including site evacuation and personnel accountability.

Duties:

1) Provide overall control and direction for all site security operations.

2) Verify personnel accountability is implemented as directed.

3) Oversee coordination and control of site evacuation.

I.3 This designator is not used
I.4 Security Force Member

The Security Force Member reports to the Site Support Manager. The Security Force Member is responsible for the proper establishment and maintenance of access control.

Duties:

1) Maintain access control at the EOF.

2) Assist in personnel accountability.

3) Open the EOF.

I.5 EOF Communicator (EOF1/EOF2)

The EOF Communicator (EOF1/EOF2) report to the SSM/ERM at the EOF and, at the direction of the SSM/ERM, are responsible for making official notifications, and obtaining and transmitting data.

Duties:

1) Make required notifications.

2) Obtain operational and radiological data.

3) Transmit data when required.

I.5.A EOF OPS Advisor

Obtain operational data and advise the SSM on the operational condition of the affected unit.

9.10 J. ADMINISTRATIVE SUPPORT

J.1 Administrative Support Manager (ASM)

The ASM reports to the ERM, and provides administrative support for the emergency response effort.

Duties:

1) Provides general office support functions including typing, reproduction, office supplies, and office furniture.

2) Functions as the EOF purchasing agent.

3) Administers the petty cash fund and expense accounts.

4) Coordinates personnel and equipment requests from the ERM and the other support managers.

5) Performs administrative support organization callout.

J.02.A Admin Support Staff - Personnel Supv.
J.02.B Admin Support Staff - Purchasing
J.02.C This designator is not used
J.02.D Admin Support Staff – Administrative
J.02.E Admin Support Staff – Information Technology Support Supervisor.

Coordinate Administrative Support activities as identified by the designated discipline and advise ASM of your activities.

Duties:

1) Provide support related to personnel matters including personnel callouts.

2) Provide purchasing support required during an emergency.

3) Provide material control support during an emergency.

4) Provide administrative/clerical support.

5) Provide Information Technology support.

6) Assist in EOF setup and activation.

J.03 Administrative Support Supervisor (ADMSS)

The ADMSS is responsible for providing administrative support to the EDO and has the authority to arrange for procurement of the necessary materials or personnel.

Duties:

1) Supervise administrative functions in the TSC.

2) Coordinates activities with the ASM.

3) Maintains records of purchases.

J.04 TSC Administrative Staff

The TSC Administrative staff reports to the ADMSS and provides administrative support to the TSC/OSC.

J.04.A This designator is not used

J.05 ENC Administrative Support

The ENC Administrative Support staff reports to the ENC Operations Supervisor and provides administrative support to the ENC/JIC staff.

J.06 Audio/Visual Services Coordinator

Provide audio/visual support to the ENC/JIC staff.

Duties:

1) Videotape media briefings.

2) Create/provide visual aids as requested by the ENC/JIC staff.

Z.03 Delaware Offsite Representative (not on organization chart)

Duties:

1) Keep Delaware officials up-to-date on emergency status

2) Provide technical and emergency classification assistance.

10.0 Staffing Commitments

The commitment for minimum staffing will be in accordance with NUREG-0654, Revision 1, Table B-1.

Table 3-2 provides a correlation between major functional areas, major tasks, position title or expertise, as described in NUREG-0654, Revision 1, Table B-1, and the similar tasks and titles in the emergency response organization. The alphanumeric codes that appear with staffing capability goals represent the emergency response organization positions used in this section of the plan. Facility activation goals/response times are described in Section 9, Emergency Facilities and Equipment.

TABLE 3-1
LINE OF SUCCESSION
EMERGENCY COORDINATOR DUTIES

		Classification Requiring Activation of Emergency Coordinator			
		Personnel Assigned Function			
Duty Position	**Duty Position**	**UE**	**A**	**SAE**	**GE**
SM	SM is a normal shift duty assignment per station technical specification	X	X	X	X
EDO	Operations Manager or designee	X(1)	X	X	X
ERM	Filled by PSEG Nuclear Department Senior Management Personnel		X(2)	X	X

NOTES:

1) The EDO is contacted for all events classified as an Unusual Event or higher. The EDO may or may not respond to the Emergency Coordinator function of this level event. This response would be based on the conditions of the incident.

2) The ERM is contacted for all events classified as an Alert or higher. The ERM may or may not respond to the Emergency Coordinator function of this level event. This response would be based on the conditions of the incident.

TABLE 3-2
CORRELATION TO NUREG-0654, TABLE B-1 (Note 2)

(NUREG-0654, TABLE B-1) Major Functional Area	Major Tasks	Position Title or Expertise	On* Shift (Note 1)	Capabilities for Additions 90 min
Plant Operations and Assessment of Operational Aspects		Shift Manager (SM) (SRO) Control Room Supervisor (CRS) (SRO) Reactor/Plant Operator (RO/PO) Nuclear Equipment Operator (NEO)	1 A4 1 B2 2 B3 2 B5	
Emergency Direction and Control (Emergency Coordinator		Shift Manager (SM)(SRO)	1**A4	
Notification/ Communication	Notify Licensee, State, Local and Federal personnel and maintain communication	Control Room Communicator TSC & EOF Communicators	2 B4	 2 F8 & 2 I5 (TSC & EOF Communicators)
Radiological Accident Assessment and Support of Operational Accident Assessment	Near-site EOF-Manager Offsite Dose Assessment Offsite Surveys Onsite (out-of-plant) In-plant Surveys Chem/Radio-chemistry	Emergency Response Manager (ERM)*** Shift RP Tech (SRPT)/RP Supervisor-Offsite Technician (RPT) Technician (RPT) Technician (RPT) Technician (CT)	 1 E4 (Note 3) (Note 9) 1 E3 (Note 5) 1 E6 (Note 5) 2 E3 (Note 5) 1 E6	1A1 (Emergency Response Mgr) 2E1 (RACs) 4D4 (Offsite Monitors/Drivers) 1E2A (RPS Offsite) 1E3 (Callout RPT) 1E5 (Chemistry Supv)

TABLE 3-2 (cont.)
CORRELATION TO NUREG-0654, TABLE B-1 (Note 2)

(NUREG-0654, TABLE B-1) Major Functional Area	Major Tasks	Position Title or Expertise	On* Shift (Note 1)	Capabilities for Additions 90 min
Plant System Engineering, Repair and Corrective Actions	Technical Support Repair and Corrective Actions	Shift Technical Advisor (STA) Core/Thermal Hydraulics Electrical Mechanical Mechanical Maintenance/ Rad Waste Operation Electrical Maintenance/ Instrument and Control	1 B1(Note 4 & 6) 1 C4C 1**C5A (Note 8) 1 C5A 1C3** 1 C2 1 C3 1 C2 (Note 5) 1 C3 (Note 5)	1 F6A (CTH Engineer) 1 F3 (Electrical Engineer) 1 F4 (Mech Engineer)
Protective Actions (In-plant)	Radiation Protection a. Access Control b. HP coverage for repair, corrective actions, search and rescue, first aid, and fire fighting. c. Personnel monitoring d. Dosimetry	Technician (RPT)	2**E3 (Note 5) 2 (Note 7)	1E3 (Callout RPT) 2 E2B (All Stations) (RPS – Exposure Control)
Fire Fighting Rescue Operations and First Aid			5 C6 (Fire Brigade per Tech. Spec.) 2** C6	Local Support Local Support

TABLE 3-2 (cont.)
CORRELATION TO NUREG-0654, TABLE B-1 (Note 2)

(NUREG-0654, TABLE B-1) Major Functional Area	Major Tasks	Position Title or Expertise	On* Shift (Note 1)	Capabilities for Additions 90 min
Site Access Control and Personnel Accountability	Security, Fire Fighting, Communications, Personnel Accountability	Security Personnel	All per Security Plan	Local and State Support
		Total Staffing:	**28**	**20**

Notes:

* For each unaffected nuclear unit in operation, maintain at least one Control Room Supervisor, one Reactor/Plant Operator and one Equipment Operator.

** May be provided by Shift personnel assigned other functions. Staffing designated with double asterisk is not counted in "Total Staffing" values at end of table.

*** Overall directions of facility response to be assumed by near-site EOF Emergency Response Manager when all facilities are fully manned & activated.

Note 1: Thirty (30) - minute responder positions in NUREG-0654, Table B-1 are addressed in the "On-Shift" staffing column. There is not a 30 - minute callout process.

Note 2: This chart provides a table that correlates the emergency response organization to the position guidance of NUREG-0654, Table B-1. Staffing response times are as discussed in Section 9 of the Emergency Plan.

Note 3: Will be performed by the Shift Radiation Protection Technician (E4) until relieved by the Radiation Protection Supervisor - Offsite.

Note 4: Advisory function will be performed by Shift Technical Advisor (STA) until relieved by Core/Thermal – Hydraulics Engineer.

Note 5: Additional personnel available from the unaffected station to support In-plant activities.

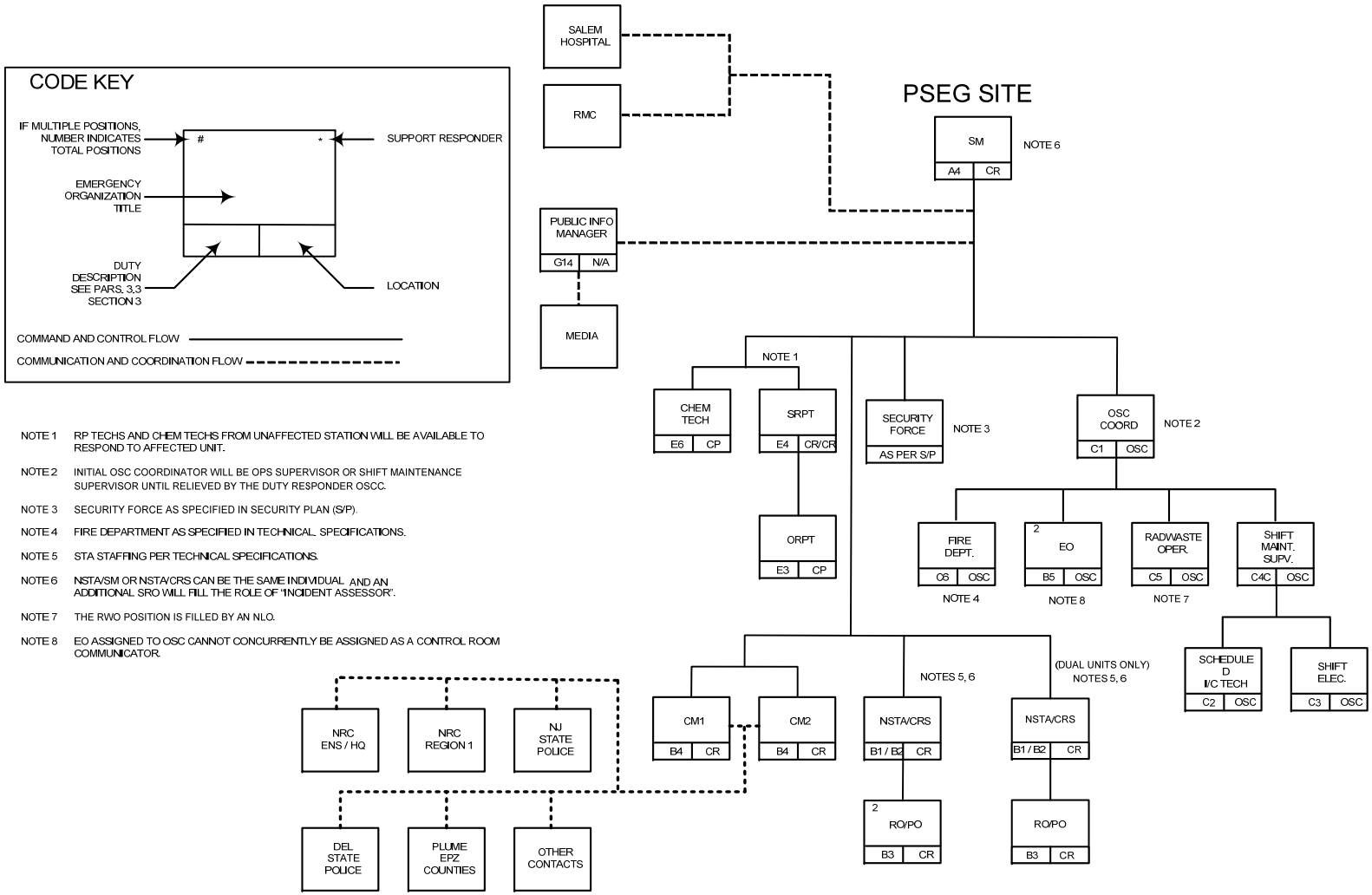
Note 6: At Hope Creek, the STA can also be assigned the duties of the Control Room Supervisor or Shift Manager in accordance with technical specification provisions.

Note 7: Individuals who are radiation worker qualified may fill this position.

Note 8: An onshift Nuclear Equipment Operator (Salem) or Rad Waste Operator (Hope Creek) may concurrently fill a Non-Licensed Operator position until relieved.

Note 9: Offsite surveys may be performed by onsite field monitoring personnel until the offsite field monitoring team members report to the EOF.

FIGURE 3-1
ON SHIFT STAFFING
EMERGENCY RESPONSE ORGANIZATION



NOTE 1 RP TECHS AND CHEM TECHS FROM UNAFFECTED STATION WILL BE AVAILABLE TO RESPOND TO AFFECTED UNIT.

NOTE 2 INITIAL OSC COORDINATOR WILL BE OPS SUPERVISOR OR SHIFT MAINTENANCE SUPERVISOR UNTIL RELIEVED BY THE DUTY RESPONDER OSCC.

NOTE 3 SECURITY FORCE AS SPECIFIED IN SECURITY PLAN (S/P).

NOTE 4 FIRE DEPARTMENT AS SPECIFIED IN TECHNICAL SPECIFICATIONS.

NOTE 5 STA STAFFING PER TECHNICAL SPECIFICATIONS.

NOTE 6 NSTA/SM OR NSTA/CRS CAN BE THE SAME INDIVIDUAL AND AN ADDITIONAL SRO WILL FILL THE ROLE OF "INCIDENT ASSESSOR".

NOTE 7 THE RWO POSITION IS FILLED BY AN NLO.

NOTE 8 EO ASSIGNED TO OSC CANNOT CONCURRENTLY BE ASSIGNED AS A CONTROL ROOM COMMUNICATOR.

FIGURE 3-2
STATION RESPONSE WITH EXTERNAL INTERFACE

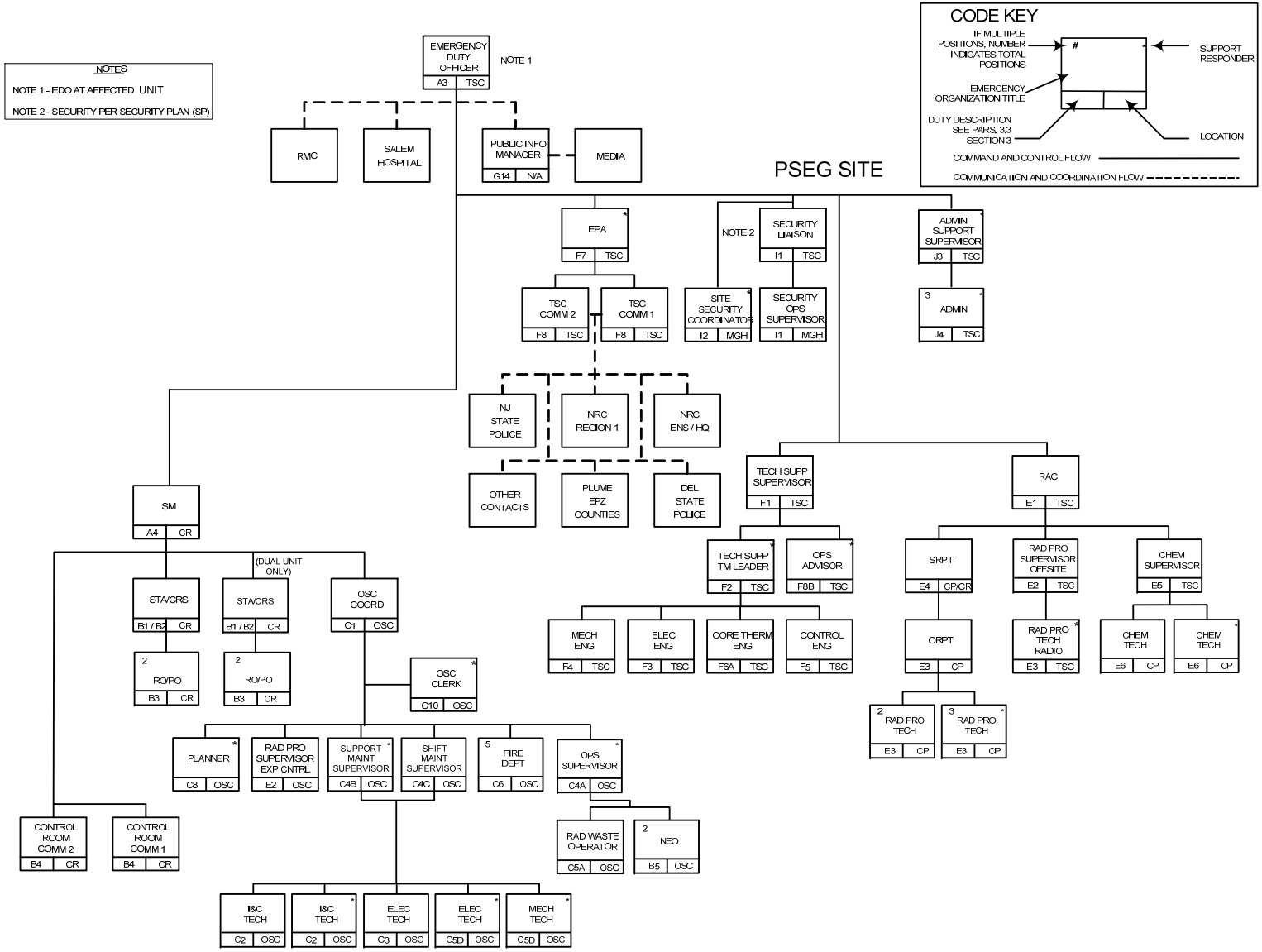


FIGURE 3-3
EMERGENCY OPERATIONS FACILITY
EMERGENCY RESPONSE ORGANIZATION WITH
EXTERNAL INTERFACE

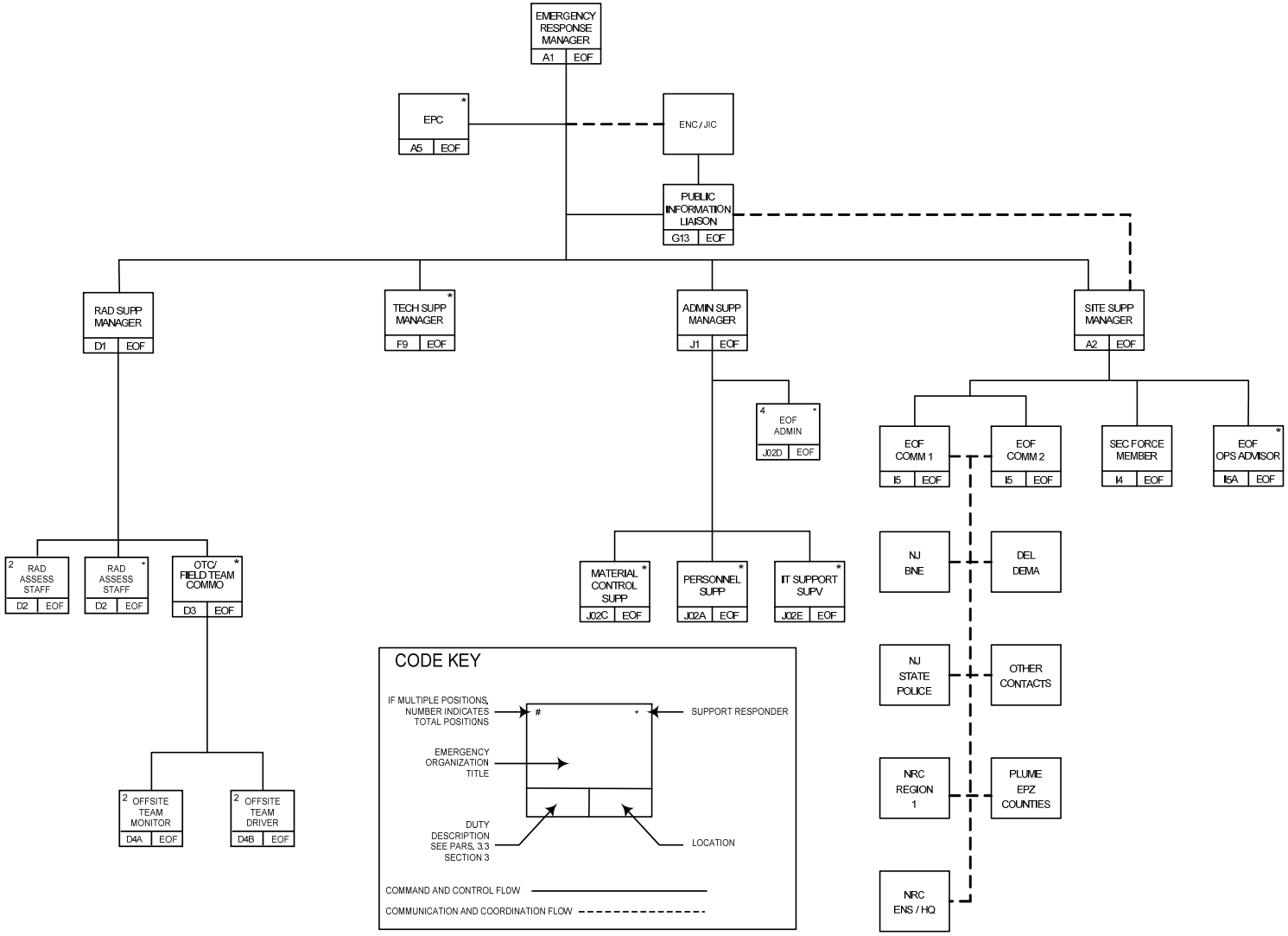
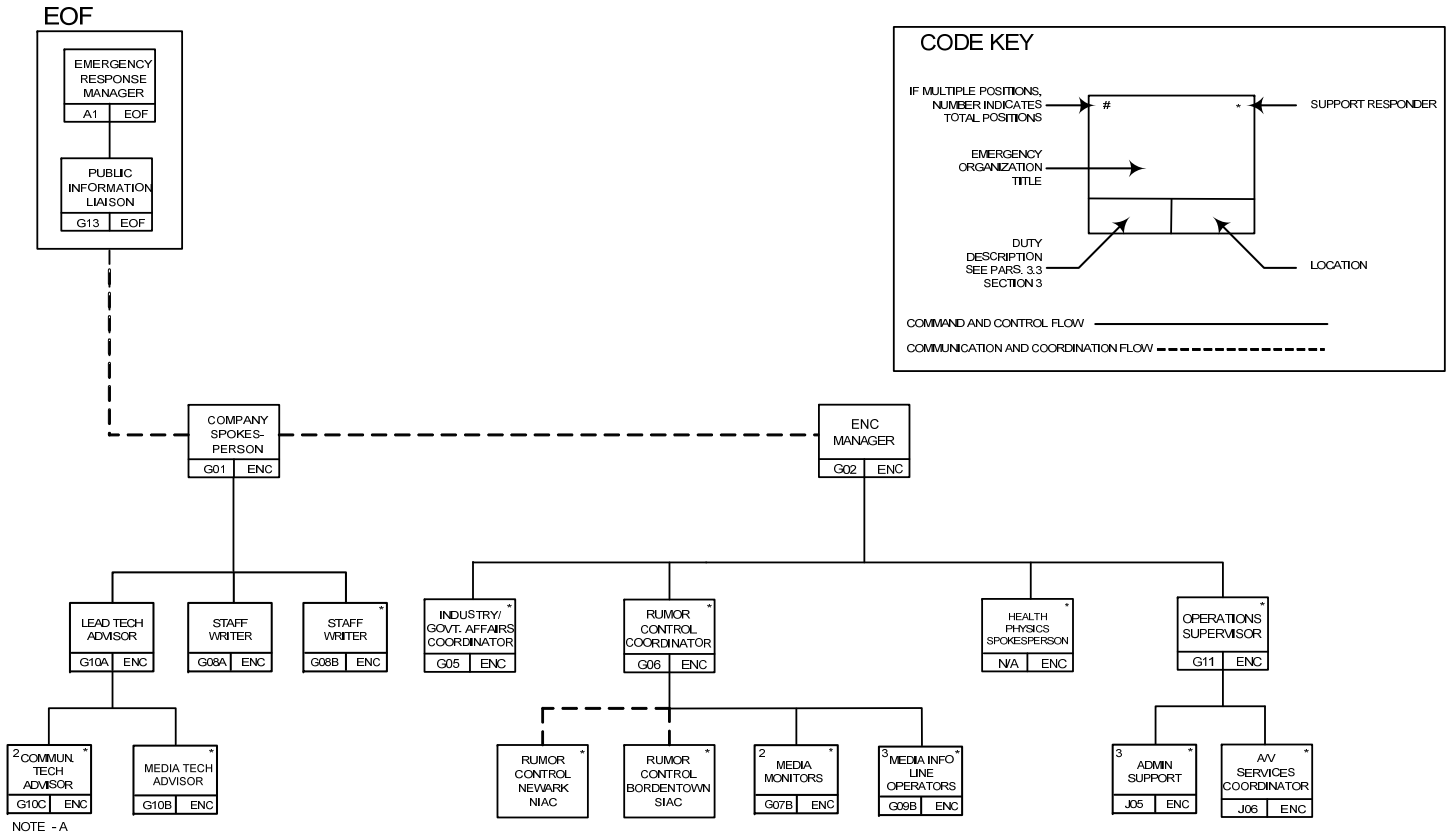


FIGURE 3-4
EMERGENCY NEWS CENTER / JOINT INFORMATION CENTER ORGANIZATION WITH EXTERNAL INTERFACE



NOTE - A A SECOND COMMUNICATION TECH ADVISOR MAY BE SENT TO THE TSC TO GATHER INFORMATION AT THE DISCRETION OF THE LEAD TECHNICAL ADVISOR.