

DUKE POWER COMPANY

CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS AND PROCEDURES

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MANUAL

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- ONS AP/O/B/1000/07 Procedure for Offsite Dose Calculations by Control Room Personnel or Emergency Coordinator During a LOCA
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- ONS HP/O/B/1009/11 Projection of Offsite Dose From the Uncontrolled Release of Radioactive Materials Through a Unit Vent
- ONS HP/O/B/1009/14 Projection of Offsite Dose From Releases Other Than Through the Unit Vent

February 28, 1983

CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS

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February 28, 1983

Duke Power Company

Crisis Mangement Organization

For

Nuclear Stations

5.3.1

Recovery Manager & Immediate Staff Group Plan

2/25/81; Rev. 1 11/15/81; Rev. 2 4/30/82; Rev. 3 7/9/82; Rev. 4 10/22/82

Rev. 5 2/28/83

Recovery Manager and Immediate Staff Group Plan

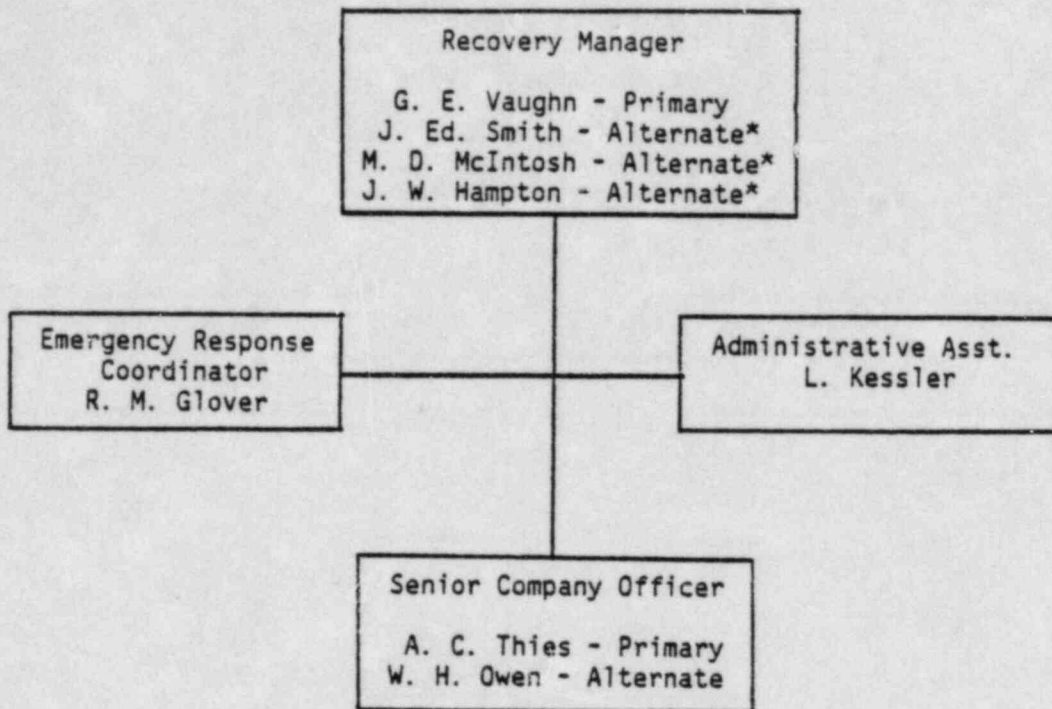
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I. SCOPE

The Recovery Manager and Immediate Staff are responsible for the overall management and recovery of nuclear station(s) emergency situations requiring activation of the Crisis Management Plan.

II. RECOVERY MANAGER AND IMMEDIATE STAFF ORGANIZATION



\* - In an emergency at one of the company's nuclear stations, the station managers at the two unaffected station will be used as alternates to the Recovery Manager and Public Spokesman. The primary Recovery Manager will decide, at the time, based upon the situation, who will be alternate Recovery Manager and who will be alternate Public Spokesman. If the Primary Recovery Manager listed above is not available at the time of the emergency, the Alternate contacted will become the Primary Recovery Manager and will make the determination of alternates.

### III. FUNCTIONAL RESPONSIBILITIES

#### A. Recovery Manager

Reports to: Vice President - Nuclear Production Department

Supervises: Immediate Staff and All Functional Managers

Basic Function: Supervises the overall management and recovery of nuclear station emergency situations requiring activation of the Crisis Management Plan.

#### Primary Responsibilities:

1. Establish a direct line of communications with the Station Manager/Emergency Coordinator to be able to provide input and assistance to the station.
2. To direct the functional area managers in necessary tasks to be performed for resolution of the situation.
3. To provide a Duke Power Company management link for coordination with the NRC and other federal agencies.
4. To provide a means for management review and approval of recommended actions to resolve emergency situations.
5. To make recommendations to offsite agencies for public protective actions.

#### Principal working Relationships:

1. Station Manager for status updates, system operation, and other necessary information.
2. Function Managers for distribution of work tasks.
3. NRC and other federal agencies for consultation and recommendations.
4. State and local officials for making public protective action recommendations.

#### B. Emergency Response Coordinator

Reports to: Recovery Manager

Supervises:

Basic Functions: Advise the Recovery Manager on the Crisis Management Plan and Station Emergency Plan relationship to the emergency situation.



Primary Responsibilities:

1. Assist the Recovery Manager in classification of emergency conditions, recommendations to offsite authorities, and in consultations with NRC and other federal agencies.
2. Participates as a member of the Recovery Manager's Advisory Support Group.

Principal Working Relationships:

1. Recovery Manager for Emergency Plan considerations
  2. Functional Managers/Administrative Assistant for work tasks
  3. NRC for Emergency Plan considerations
- C. Recovery Manager's Administrative Assistant

Reports to: Recovery Manager

Supervises:

Basic Function: To assist the Recovery Manager in assignment and distribution of work tasks, followup on specific projects, in other requests as they arise; and to maintain the official CMC log book of decisions, activities, and operations.

Primary Responsibilities:

1. To assist the Recovery Manager in resolution of nuclear facility emergencies requiring activation of the Crisis Management Plan.

Principal Working Relationships:

1. Recovery Manager for work tasks
  2. Functional Manager/Emergency Coordinator for resolution of tasks
- D. Senior Company Officer

Reports to: Duke Power Company President, Board of Directors

Supervises: N/A

Basic Function: This position serves as the senior management contact with the Crisis Management Organization and as the focal point for questions from the Governors of North and South Carolina, other senior level management, and the Board of Directors.

Primary Responsibilities:

1. This position will make an initial "courtesy call" to the Governors of North and South Carolina, making himself/herself available for followup calls on an as-needed, informal basis. The Governor will be kept up-to-date on the specifics of the situation by his/her staff.

North Carolina Governor's office  
South Carolina Governor's office .

2. This position will serve as the focal point for questions from other senior level management.
3. This position will serve as the focal point for questions from the Board of Directors.
4. This position receives information on the status of the plant from the scheduling coordinator of the Scheduling/Planning Group.

Scheduling Coordinator Can Be Reached At:

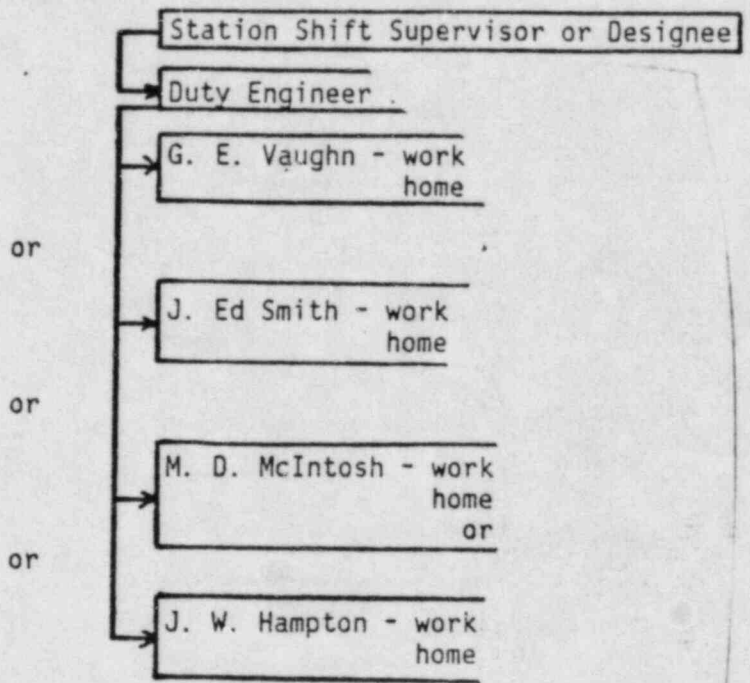
Prior to CMC Activation  
Oconee CMC  
McGuire CMC

5. This position will receive initial notification from the Recovery Manager as shown in Part IV of this plan.

IV. NOTIFICATION PROCEDURE - CALL LIST

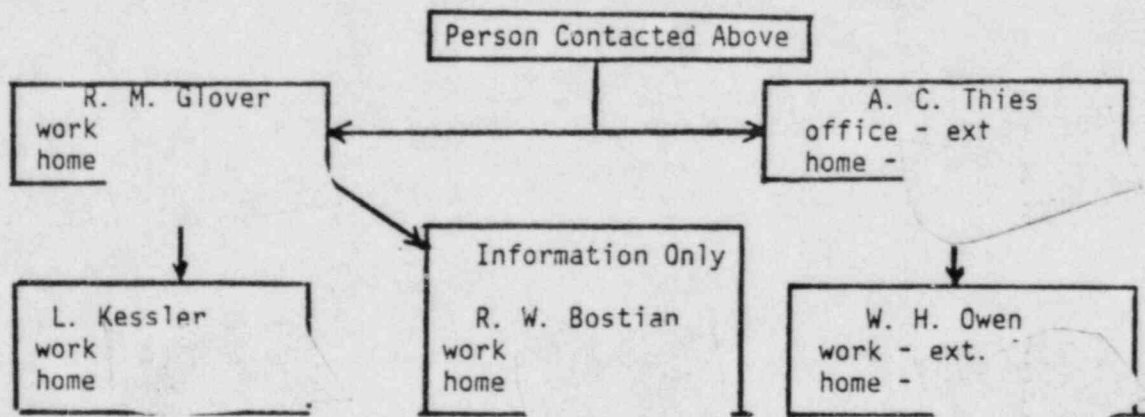
Call From Station

The person contacted by the Duty Engineer is responsible for contacting the others in this area (except for the manager of the affected station) and to make the two calls in the next section.



Facility Activation Note:

For Ocone, the quickest access in the evening hours is by automobile. In the daylight hours, one to one and one-half hours could be saved by flying a "core" group via Thurston from Charlotte to Clemson Airport.



CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS

5.3.4 - Scheduling/Planning Support Group

Rev. 6  
Revision Number

February 28, 1983  
Date

5.3.4 - Scheduling/Planning Support Group

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## I. SCOPE

The Scheduling/Planning Support Group performs a dual role in emergency/recovery situations. During the emergency phase of an incident, the group provides direct support to the Recovery Manager and the other Function Managers by maintaining displays and logs of plant status. This includes updating plant status boards, trending displays, and area maps showing protective action recommendations. In the long term recovery effort the individuals perform the functions of planning work items, scheduling the effort, and checking the progress of the work.

Further, the Scheduling/Planning function includes Operations Support. Personnel in this section support the station in their need for additional manpower, analysis, or procedures in operations.

## II. FUNCTIONAL RESPONSIBILITIES

### A. Scheduling/Planning Support Group Manager

Reports to: Recovery Manager

Supervises: Scheduling/Planning Staff functions of Planning Coordinator, Scheduling Coordinator and Performance Monitor

#### Basic Functions:

This individual is responsible, in the emergency phase of an incident, for maintaining and updating plant status information in the nearsite Crisis Management Center (CMC) and to provide an informed contact for upper level management. In the recovery phase of an incident, this individual is responsible for formulating, coordinating, and expediting plans and schedules for the Recovery Manager.

#### Primary Responsibilities:

1. During the emergency phase of an incident:
  - a. Distribute updated plant status sheets and other information to nearsite CMC personnel (see procedure 5.3.9).
  - b. Update and maintain status boards in Recovery Manager's office.
  - c. Update and maintain status boards in WC-1680.
  - d. Update and maintain graphical displays of trends in key plant status data.
  - e. Provide a contact for upper-level management. This contact will be knowledgeable of plant systems and the emergency situation.
2. During the recovery phase of an incident:
  - a. Meet with and evaluate reports developed by the Planning Coordinator, Scheduling Coordinator, and Performance Monitor.
  - b. Formulate plans and schedules for the upcoming work periods based on Coordinator and monitor recommendations and report evaluations.
  - c. Meet with the Recovery Manager as required. Present concise progress reports, activity schedules, and overall progress review meeting agendas.

B. Planning Coordinator

Reports to: Scheduling/Planning Support Group Manager

Supervises: N/A

Basic Functions:

In the emergency phase of an incident this position serves as the contact for upper level management and provides support in the update and maintenance of plant status information.

In the recovery phase of an incident, this position serves as the focus for information from all recovery forces and formulates this information into a logical recovery plan. This position also maintains records and prepares progress reports on recovery operations. This position prepares the agenda for and keeps minutes of progress review meetings.

Primary Responsibilities:

1. In the emergency phase of an incident:
  - a. Serve as information contact for upper-level management (primary).
  - b. Support information update activities.
  - c. Update INPO at \_\_\_\_\_ on a periodic basis.
2. In the recovery phase of an incident:
  - a. Provide 24 hour coverage throughout the incident for this function.
  - b. Establish a contact with each unit of the recovery team and the station staff.
  - c. Arrange to receive up-to-date status reports of the unit/plant conditions from other crisis management groups. This information will be maintained on an up to date status board stating items such as temperature, pressure, chemistry, radiation levels, etc. The board will be in easy access to the Recovery Manager and Scheduling Planning Manager. A written version of this information will be prepared by the Planning Coordinator on a timely basis.



- d. Work with the Performance Monitors and other Crisis Management groups to determine the job requirements and basic information on all work activities to be performed. This information shall be maintained in report form and shall detail the work to be performed, the responsible individual, estimated work time, estimated manpower, and anticipated problems with meeting the scheduled work time. This information will be provided to the Scheduling Coordinator.
- e. Meet periodically with the Scheduling Coordinator and Performance Monitors to develop a concise overall recovery effort status report.
- f. Reporting requirements are described in Figure 1.

C. Scheduling Coordinator

Reports to: Scheduling/Planning Support Group Manager

Supervises: N/A

Basic Functions:

During the emergency phase of an incident, this position provides support in the update and maintenance of plant status information. During the recovery phase this position works with the planning coordination function to reduce recovery activities planning into a clear straight-forward schedule for presentation to the Recovery Manager. Schedules will be presented using graphic techniques in such a manner that they can be revised as required.

Primary Responsibilities:

- 1. In the emergency phase of an incident:
  - a. Assist in the update and maintenance of plant status information.
- 2. In the recovery phase:
  - a. Develop daily, two day, and long range (crisis duration), schedules from time and priority estimates provided by the Planning Coordinator, Performance Monitor, or other Crisis Management staff. This information will be made available in both graphic and written report form.

- b. In their scheduling, use input from the Performance Monitors to determine whether or not a specific item is available for implementation on the present schedule.
- c. Update the schedule board as new information becomes available and include project milestones that must be overcome on all three schedules. (i.e., daily, two day, and long range).
- d. Receive progress reports on individual activities from the Performance Monitors to update schedules.
- e. Meet periodically with the Planning Coordinator and the Performance Monitors to develop a concise overall recovery effort status report. The responsibility for the production of this report lies with the Planning Coordinator and he will supply the document developed within the group to the Scheduling/Planning Manager.
- f. Reporting requirements are described in Figure 1.
- g. Serve as the backup contact for senior level Duke Power Company management.

D. Performance Monitor

Reports to: Scheduling/Planning Support Group Manager

Supervises: N/A

Basic Functions:

In the emergency phase of an incident this position assists in the update and maintenance of plant status information. In the recovery phase this position monitors the execution of the recovery schedule and provides feedback information to the planning/scheduling functions.

Primary Responsibilities:

- 1. In the emergency phase of an incident:
  - a. Assist in the update and maintenance of plant status information.
- 2. In the recovery phase:
  - a. The Performance Monitors will meet periodically with the Scheduling and Planning Coordinators to develop a concise overall recovery effort

status report. The responsibility for the production of this report lies with the Planning Coordinator and he will supply the document to the Scheduling/Planning Manager.

This report will list the individual events/activities and will detail the job description, percent completion, impact on the overall plan (i.e., job priority), any known delay or problem areas, recommendations to resolve known delay/problem areas, scheduled completion date, and expected completion date.

- b. Provide the Scheduling Coordinator a progress report for each individual event/activity on a timely basis. This report will list the following items:
  1. Event/activity title.
  2. Scheduled time frame for resolution of this item.
  3. Event status including manpower requirements, material needs, as well as technical/engineering support required from both inside and outside the responsible group.
  4. Projected schedule for upcoming "time/work" period including manpower and material requirements, and technical/engineering support necessary both inside and outside the responsible group for each phase of the job.
  5. Known/Anticipated - Delay/Problems. This will include an identification or description of these areas, the possible impact on this event's scheduled completion, and, if known, the impact on other related job schedules.
  6. Develop proposed recommendations to resolve known/anticipated delay/problem areas.
  7. Reporting requirements are described in Figure 1.

E. Operations Support Coordinator

Reports to: Scheduling/Planning Manager

Coordinates: Support personnel assigned to the plant operations group and support personnel developing procedures for operations use.

### Basic Functions:

1. Locates and schedules qualified manpower support for operations based upon needs specified by the plant and upon the actions planned by the recovery organization.
2. Assembles a procedure writing team to develop out-of-normal and emergency procedures in support of plant operations as required by the nature of the emergency.

### Primary Responsibilities:

1. Provides support to plant operations in monitoring plant parameters and analyzing plant conditions.
2. Provides support to plant operations in system valve alignment and equipment operations.
3. Acts as the point contact interface between the plant operations group and the recovery organization.
4. Provides support to plant operations as necessary to implement recovery organization objectives and collect plant information for the Data Facility.
5. Rewrite existing procedures as required to reflect accident conditions.
6. Convert plant recovery plans into clear, concise procedures for use by the plant operations group.

### Principle Working Relationships

1. Plant operations designated contact regarding the most effective utilization of support personnel and implementation of recovery plans as they impact plant operations.
2. Data Facility Coordinator regarding needs for plant information.
3. Core Physics Coordinator regarding required operating procedures to protect the core.

### III. SCHEDULING/PLANNING SUPPORT GROUP ACTIVATION

1. Once it has been determined that an Alert or higher classification event has occurred requiring the activation of the Crisis Management Organization, the Recovery Manager or his designee will contact the Scheduling/Planning Support Group Manager. This contact will be made according to the format of Figure E-2 of the Crisis Management Plan (CMP).
2. The Scheduling/Planning Support Group Manager will initiate activation of the group as described in Figure 2.
3. The group will report as noted on the initial callout.

#### IV. EMERGENCY FACILITIES - EQUIPMENT AND RESOURCES

##### A. Facilities

The Scheduling/Planning Support Group Manager is located in the Crisis Management Center which is defined by the location of the Recovery Manager. The Scheduling/Planning Manager will assure coverage of Room 1222, Wachovia Center as well as the Recovery Manager's facility. This allows Duke Management in the General Office a place to quickly review the situation.

The breakdown of the group for WC-1222 and the nearsite CMC will be done at the time of need.

##### B. Equipment and Resources

###### 1. Communication

Communication is by phone. See procedures 5.3.10 "Oconee Crisis Phone Directory" and 5.3.11 "McGuire Crisis Phone Directory" for listings.

###### 2. Equipment and Supplies

Status boards and 10 mile EPZ maps are stored at the Oconee and McGuire training centers and in the Wachovia Building, 12th floor. These will be used as needed.

Procedure 5.3.9, "Procedure for Transmitting and Distributing Data and Information" is to be used by the group as called for in the procedure.

V. IMPLEMENTATION OF FACILITY AND EQUIPMENT

1. The phones for WC-1222 and the nearsite CMC group locations will be installed by the Administration and Logistics group. Additional phones can be made available by contacting the Manager of Administration and Logistics.
2. Upon arrival at the nearsite CMC, assure that the Recovery Manager's office is properly set up. See Figures F-2(b) of the CMP for McGuire and F-3(b) for Occnee.

VI. LONG RANGE RECOVERY FUNCTIONS

1. As an event moves into a long-range recovery, appropriate work schedules will be developed. Group members will perform their recovery roles in this period.
2. Arrangements for food, lodging, and other services necessary for long range recovery will be made at the time.



Figure 1

Scheduling/Planning Manager and Group - Report Requirements

Planning Coordinator

Unit Status (Temp., pressure, etc.) - Both graphical and written.

Work Activity Job Requirements - (work detailed, manpower, time, etc.) Provide to S. Coordinator.

Develop overall recovery status report with the assistance of the S. Coordinator and Performance Monitors.

Prepare agenda for and keep minutes of the progress review meetings.

Scheduling Coordinator

Develop daily, two day, and long range schedules in both graphic and written form.

Detail project milestones in a separate written report.

Update schedules based on progress reports from the Performance Monitors.

Meet periodically with P. Coordinator and P. Monitors to develop concise overall recovery effort status report.

Performance Monitors

Provide the S. Coordinator a progress report on each individual event/activity.

Meet periodically with P. & S. Coordinators to develop a concise overall recovery effort status report.

Figure 2  
 SCHEDULING/PLANNING FUNCTION  
 TELEPHONE NOTIFICATION LISTING

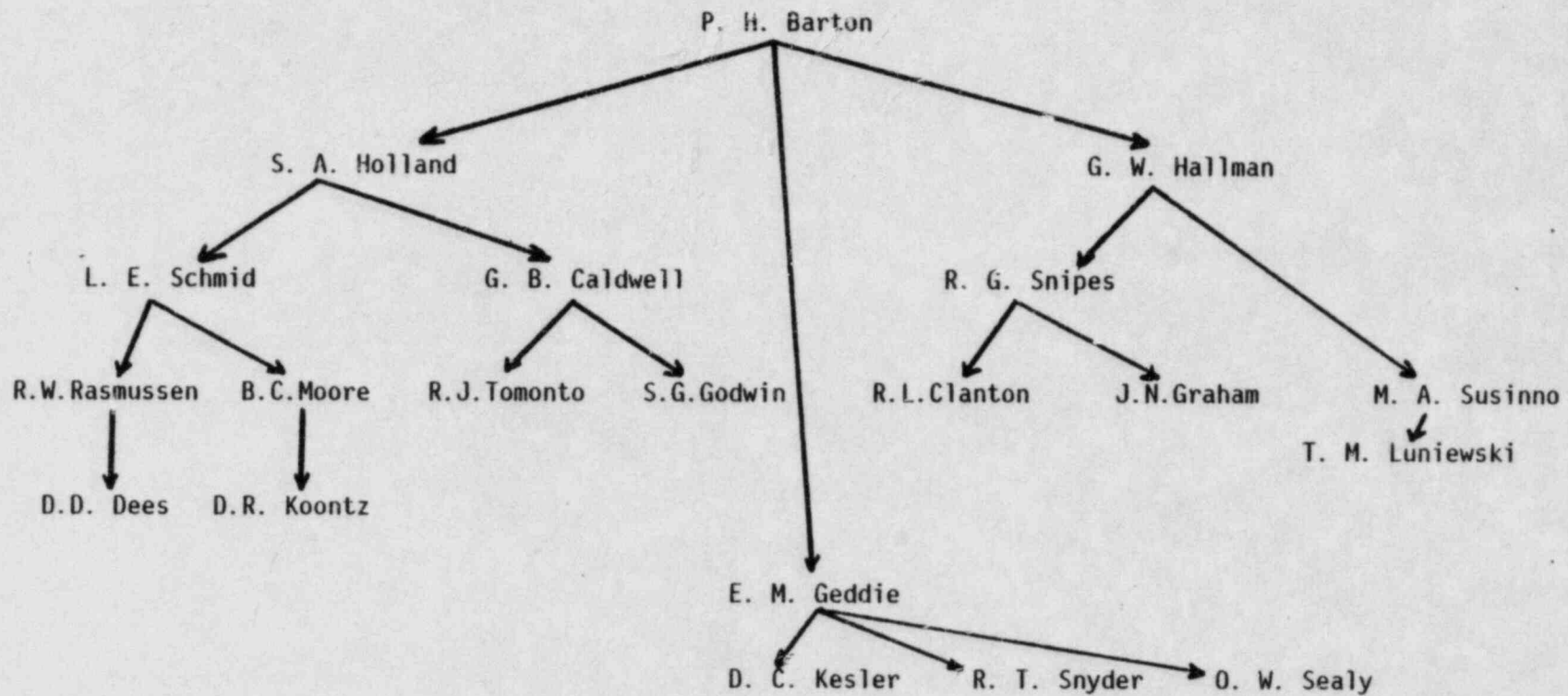


Figure 3  
SCHEDULING/PLANNING FUNCTION  
TELEPHONE DIRECTORY

<u>Name</u>	<u>Office</u>	<u>Home</u>
<u>Scheduling/Planning Manager</u>		
P. H. Barton		
<u>Alternates</u>		
S. A. Holland		
G. W. Hallman		
<u>Planning Coordinator</u>		
L. E. Schmid		
<u>Alternate</u>		
B. C. Moore		
D. D. Dees		
U. R. Koontz		
R. W. Rasmussen		
<u>Scheduling Coordinator</u>		
R. G. Snipes		
<u>Alternates</u>		
M. A. Susinno		
R. L. Clanton		
T. M. Luniewski		
J. N. Graham		
<u>Performance Monitor</u>		
G. B. Caldwell		
<u>Alternates</u>		
R. J. Tomonto		
<u>Operations Support Coordinator</u>		
E. M. Geddie, Jr.		
<u>Alternates</u>		
R. T. Snyder		
D. C. Kesler		
O. W. Sealy		

Figure 4

Scheduling/Planning Support Group

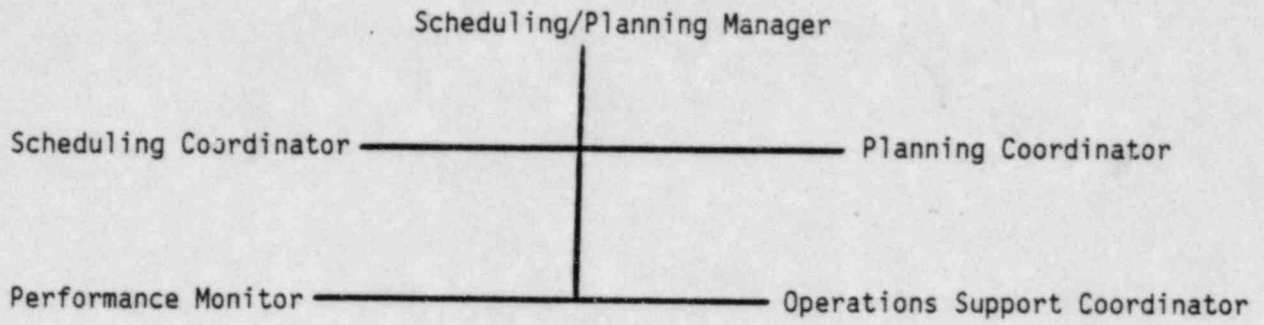


Figure E-2

Crisis Management Organization (CMO)  
Emergency Activation Message

The Nuclear Production Duty Engineer is contacted by the Nuclear Station in an emergency with information as shown in Figure E-4. The Duty Engineer contacts the Recovery Manager with that information. If the CMO is to be activated, the Duty Engineer uses this format to contact at least one person from each group shown in Figure B-12 of the Crisis Management Plan. Each group in the CMO uses this format to alert its members.

---

---

Your name \_\_\_\_\_  
Person who contacted you \_\_\_\_\_ Your Group \_\_\_\_\_  
Persons you contacted with this message \_\_\_\_\_  
\_\_\_\_\_ (If Any)

Message Format

1. This is \_\_\_\_\_ (caller's name).
2. I am notifying you of a drill /actual emergency at \_\_\_\_\_ Nuclear Station, Unit No. \_\_\_\_\_.
3. At this time the class of emergency is: \_\_\_\_\_ Alert; \_\_\_\_\_ Site Area Emergency; \_\_\_\_\_ General Emergency.
4. You are to activate your portion of the Crisis Management Organization and have them report to \_\_\_\_\_ your G.O. staging area; \_\_\_\_\_ the nearsite CMC; \_\_\_\_\_ backup CMC.
5. Specific Instructions (if any) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Please retransmit a copy of this completed format to the Emergency Response Coordinator.

DUKE POWER COMPANY  
CRISIS MANAGEMENT ORGANIZATION  
FOR  
NUCLEAR STATIONS

DESIGN & CONSTRUCTION SUPPORT GROUP PLAN

OCONEE NUCLEAR STATION

MCGUIRE NUCLEAR STATION



APPROVED: DESIGN & CONSTRUCTION SUPPORT GROUP MANAGER

Original Issue - 7/17/80  
Revision 1 - 10/27/80  
Revision 2 - 1/27/81  
Revision 3 - 2/11/81  
Revision 4 - 7/16/81  
Revision 5 - 11/10/81  
Revision 6 - 3/4/82  
Revision 7 - 10/11/82  
Revision 8 - 11/8/82  
Revision 9 - 2/10/83

DESIGN AND CONSTRUCTION SUPPORT GROUP

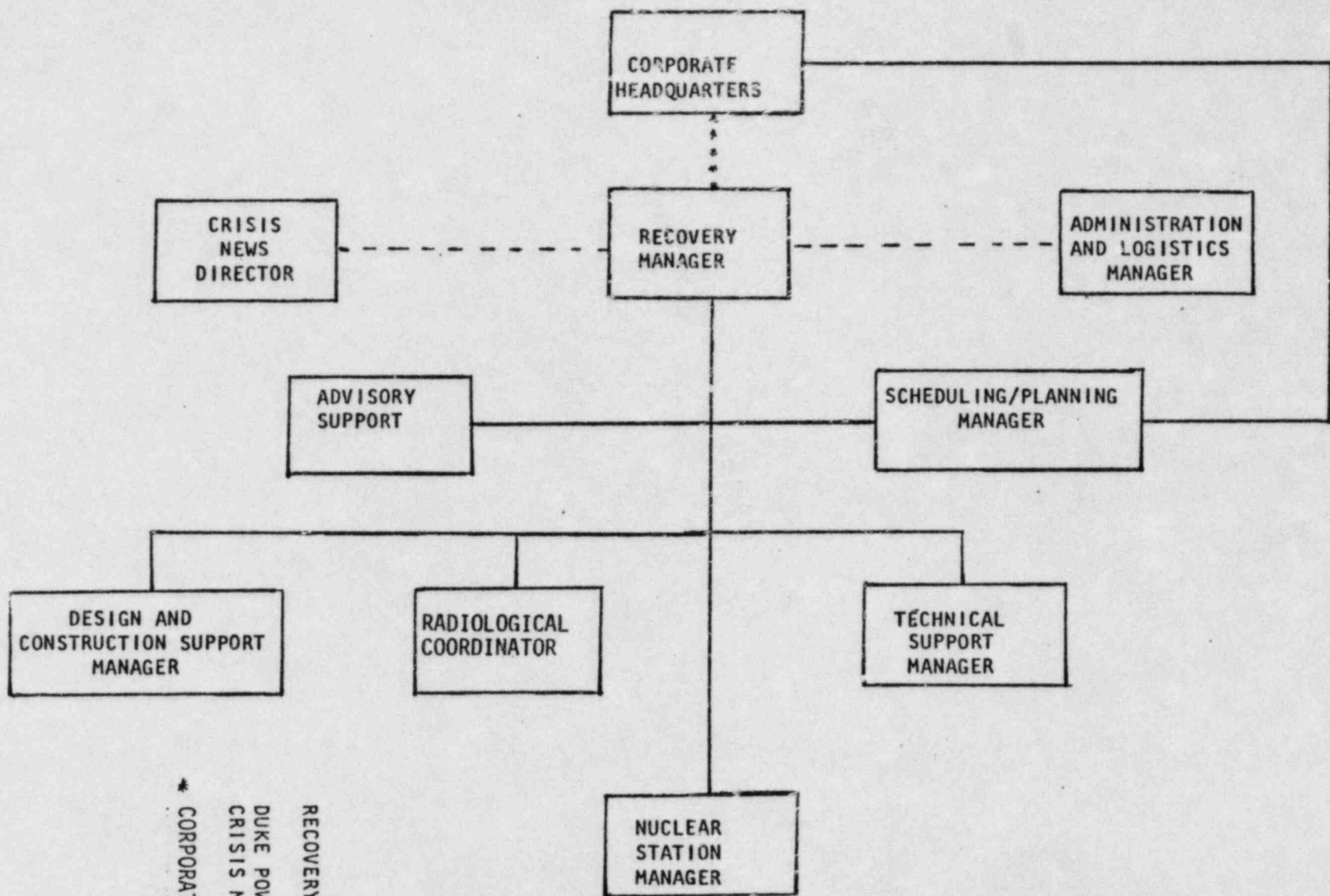
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I. Scope

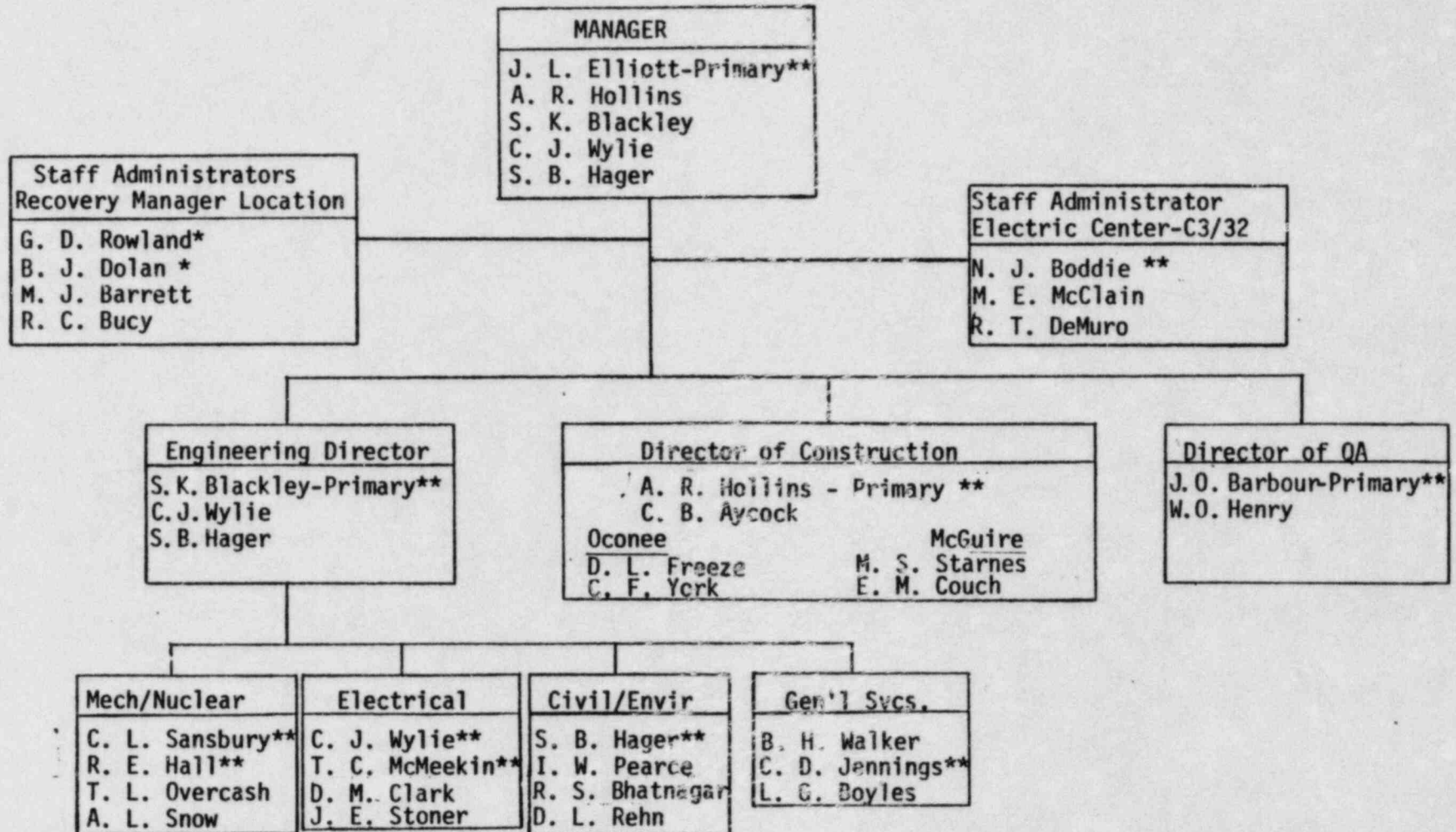
The Design and Construction Support Group is responsible for coordinating and implementing the activities of Design Engineering, NSS Suppliers, construction forces, and outside vendors on proposed station modifications or other design and construction support required for the protection of life and property in emergency situations at operating nuclear stations on the Duke Power System.





RECOVERY MANAGER AND STAFF  
 DUKE POWER COMPANY  
 CRISIS MANAGEMENT PLAN  
 \* CORPORATE POLICY INPUT

DESIGN & CONSTRUCTION SUPPORT GROUP



\* Report to location designated by Recovery Manager at time of notification (see page 11 - Emergency Facilities)

\*\* Report to Electric Center Conference Room C3/32 after notification.

NOTE: No person will serve as primary in two places.

II.

A. Additional Support Personnel

1. Engineering Personnel

<u>Name</u>	<u>Area of Expertise</u>	<u>Office #</u>	<u>Home #</u>
J R Hendricks	Fire Prot & Architecture		
H D Brandes	Fire Protection		
R M Sandifer	Instrumentation		
E C Fiss	Nuclear Consultant		
W H Rasin	Nuclear		
J E Thomas	Inst & Control Equipment		
D W Murdock	Inst & Control Systems		
H L Davenport	Process Computers & Security		
R H Waitman	Electrical Design		
C E Kneeburg	Electrical Design		
D G Owen	Electrical Station Support		
G M Bostian	Electrical Station Support		
S H Derrick	Document Retention		

Other engineering and technical support personnel are available as needed in the General Office area and at each construction site.

2. Construction Personnel

The Construction Department Manager, Employee Resources and Development, maintains a directory of key Construction Department supervisors who have skills that might be required during an emergency at an operating nuclear plant. During a developing or short duration emergency, the directory will be used by the Administrative and Logistics Group to contact needed employees as directed by the Design and Construction Manager or his designee. In a longer term recovery situation, the Construction Department Manager, Employee Resources

and Development, will provide needed manpower using his conventional organization and methods.

3. Quality Assurance Personnel

A minimum of 12 inspectors are permanently assigned to each operating nuclear plant and about one-half of these inspectors are qualified in one or more methods of NDE. This would be the initial group called upon to perform required QA activities to assure work quality and documentation. If other QA inspectors or NDE personnel are needed at the emergency site, they are or will be available from other operating or construction sites. The required tools and equipment for this group are available at each site.

Oconee Site

Name

Office #

Home #

R. J. Brackett

R. H. Ledford

J. W. McCool

McGuire Site

Name

Office #

Home #

R. P. Ruth

D. M. Franks

4. Babcock Wilcox (B&W) - Page

5. Westinghouse (W) - Page

III. Functional Responsibilities

A. Design and Construction Manager

Reports to: Recovery Manager

Supervises: Design and Construction Staff

Basic Functions: Coordinates the design and construction activities of Design Engineering, NSS Suppliers, Construction forces, and outside vendors.

Primary Responsibilities

1. Direct the activities of Design Engineering, Construction forces, Quality Assurance, and outside vendors on plant modifications.
2. Assure the design and construction activities are adequately staffed and equipped to respond in timely fashion.

3. Determine application of Corporate Quality Assurance Program. Recovery Manager or Station Manager approval is required for deviations from present practices.
4. Assure that engineering and technical specialists are available on a pre-planned basis for assisting Technical Support, Station Manager, Radiological Support and the Recovery Manager as required.
5. Participates as a member of the Recovery Manager's Advisory Support Group.

Principal Working Relationships:

1. Station Manager for plans on modifications to systems and equipment in plant.
2. Technical Support Manager for joint review of proposed modifications to systems and equipment in the plant.
3. Radiological Coordinator for modifications to systems and equipment and support of activities in the waste management area.
4. Scheduling and Planning Manager for status of activities in the Design and Construction area.

B. Staff Administrators

Report to: Design and Construction Manager

Basic Functions: To assist the Design and Construction Manager in all areas of his responsibility and perform other tasks that the Manager may direct to meet requirements of the recovery operation.

The Staff Administrator reporting to Electric Center Conference Room C3/32 after notification is responsible for moving the VAX computer terminal from David Nabow Library (EC-0230) to room C3/32. He is responsible for setting the terminal up and operating it during the emergency or drill to receive plant data sheets. He is also responsible for obtaining appropriate priority for Design and Construction Support Group computer work. Computer Services contacts for obtaining priority are:

Primary - P. W. Withrow, -  
 1st Alternate - J. E. Sinclair,  
 2nd Alternate - Shift Supervisor, (24 hours)

The Staff Administrators reporting to the Recovery Manager's location serve as the Design and Construction Manager's liaison with the Recovery Manager.

C. Engineering Director

Reports to: Design and Construction Support Manager

Supervises: Engineering Staff Personnel

Basic Functions: Responsible for directing and assisting the engineering staff and performing engineering and design tasks that the Design and Construction Manager may direct to meet the requirements of the recovery operation.

Primary Responsibilities:

1. Directs the engineering staff.
2. Provides the administrative and technical control of the engineering and technical staff assigned to him.
3. Assure that engineering and technical specialists are available on a pre-planned basis for assisting Technical Support, Radiological Support, and the Station and Recovery Managers as required.
4. Assure that his engineering and design activity is adequately staffed and equipped to respond in timely fashion, both on site and at the main office.
5. Direct, coordinate, and approve engineering and design tasks assigned by the Design and Construction Support Manager.
6. Coordinate the work of suppliers providing components/services for the balance of the plant.
7. Assist Design and Construction Support Manager in determining activities to be performed under the Corporate Quality Assurance Program.

Principal Working Relationships:

1. Director of NSS Supply regarding technical requirements and balance-of-plant interface requirements.
2. Director of Construction for engineering support and for fabrication and erection procedures for balance of plant.
3. Technical Support, Radiological Support and the Station and Recovery Managers for engineering and technical support for their activities on a pre-planned and operational basis.
4. Administrative and Logistics Manager regarding contract administration, materials control, field purchasing, and labor relations, or other support activities required.

Manager, Mechanical/Nuclear Division

Reports to: Engineering Director

Basic Functions: Provides the mechanical and nuclear design response to meet the requirements of the recovery operation.

Manager, Electrical Division

Reports to: Engineering Director

Basic Functions: Provides the electrical design response to meet the requirements of the recovery operation.

Manager, Civil/Environmental Division

Reports to: Engineering Director

Basic Functions: Provides the civil/environmental design response to meet the requirements of the recovery operation.

Manager, General Services Division

Reports to: Engineering Director

Basic Functions: Provides Document Retrieval Assistance for the Recovery Operation. Responsible for taking a copy of the Corporate Crisis Management Plan to EC3/32 after notification. Maintains a separate copy of the Corporate Crisis Management Plan at EC3-02 for checkout by members of the Design and Construction Support Group. Maintains roadblock passes for use by any members of Design and Construction Support Group sent to Oconee for an emergency or drill.

D. Director of Construction

Reports to: Design and Construction Support Manager

Supervises: Construction Forces

Basic Functions: Responsible for directing and administratively controlling the Construction forces, including any subcontractors, and performing such construction tasks that the Design and Construction Support Manager may direct to meet the requirements of the recovery operation.

Primary Responsibilities:

1. Direct, coordinate, and control Construction forces.
2. Assure Construction forces are adequately manned and equipped to provide timely construction support.
3. Direct and coordinate construction tasks assigned by Design and Construction Support Manager.
4. Coordinate the work of suppliers or subcontractors providing construction materials or services.

Principal Working Relationships:

1. Engineering Director regarding construction requirements and fabrication and erection procedures for balance of plant.
2. NSS Supplier regarding NSSS fabrication and erection procedures.
3. Director of Quality Assurance regarding level of quality assurance to be implemented by Construction forces.
4. Administration & Logistics Manager regarding contract administration, material control, field purchasing, and labor relations, or other support activities required.

E. Director of Quality Assurance

Reports to: Design and Construction Support Manager

Supervises: Quality Assurance Staff Personnel

Basic Functions: Responsible for directing and administratively controlling the Quality Assurance Staff and executing the quality assurance program for such design, construction, and other operating tasks as the Design and Construction Support Manager may direct and otherwise as required to meet the requirements of recovery operation.



Primary Responsibilities:

1. Direct and control Quality Assurance Staff on all administrative and technical matters.
2. Assure the quality assurance activity is adequately staffed and equipped to provide timely support.
3. Direct and coordinate the implementation of the quality assurance program for approved construction operational tasks or other engineering and design tasks as appropriate and required.

Principal Working Relationships:

1. Director of Construction and Engineering Director regarding the interfacing of construction and design activities with quality assurance activities.

Role of Quality Assurance:

The role of the Quality Assurance Department in an emergency situation in support of operational activities will remain under the jurisdiction of G. W. Grier/J. O. Barbour/Senior Quality Assurance Engineer and will not change substantially from normal practices. However, suspension of some operational quality assurance measures, as well as some design and construction quality assurance measures could be required due to time constraints. The Design and Construction Manager will determine application of Corporate Quality Assurance Program and apply as appropriate. Recovery Manager or Station Manager approval is required for deviations from present practices.

IV. Notification Procedure

Upon notification and initiation of the Crisis Management Plan, members of the Design and Construction Support Group are to report to either the Recovery Manager's designated location or Electric Center Conf Rm C3/32 as directed. Design and Construction Support Group personnel who report to the designated location, if they are the first to arrive, will assume the role of organizing the designated location for the Recovery Manager. The first member to arrive will continue to serve in this role until such time as the Recovery Manager, an alternate, or the Scheduling/Planning Manager or his alternate arrives to assume the lead responsibilities. Initial actions to be completed and documented are as listed on the Activation Checklist (see page 14). This Checklist is to be started by the first member of the Crisis Management

Organization to arrive at the Designated Location and once completed is to be retained by the Recovery Manager.

- A. Design and Construction Support Manager - Notification of an emergency or accident situation initiating the implementation of the overall Crisis Management Plan will be by the Manager of the Recovery Operation or by his designee.
- B. Design and Construction Support Directors - Notification of an emergency or accident situation initiating the implementation of the Design and Construction Support Group Plan will be by the Manager of the Design and Construction Support Group and/or his designee(s).
- C. Supporting Members - Notification of an emergency or accident situation initiating the implementation of the Design and Construction Support Group Plan will be by the appropriate Director and/or his designee(s).
- D. NSS Supplier - Will be notified by Recovery Manager or his designee that an emergency situation has developed. This notification will activate the NSSS emergency plan and response.
- E. All identified members of the Design and Construction Support Group, their home and office phone numbers are a part of this plan. (See Page #16)
- F. Upon notification of an Alert, Site Emergency or General Emergency situation at an operating nuclear station, individuals with an asterik (\*) by their name on Page 3 are to report to the Recovery Manager's Designated Location. Individuals with a double asterik(\*\*) by their name will report to Electric Center Conference Room C3/32.

V. Emergency Facilities

A. Recovery Manager

When notified that an Alert, Site Emergency or General Emergency has been initiated, the Recovery Manager will decide where he will meet with his staff. This decision will be transmitted to each group along with station information during the customary notification procedure. His choices of location are as follows:

- 1. Nearsite Crisis Management Center
  - a. McGuire - Training and Technology Center (pages
  - b. Oconee - Nuclear Training Facility (pages

2. Backup Crisis Management Center
  - a. McGuire - Wachovia Center Room #1680
  - b. Oconee - Liberty Retail Office, Liberty SC (pages 21 & 22)
3. General Office Staging Area (McGuire and Oconee)  
Wachovia Center Room #1680

B. General Office Groups

General Office Headquarters will be maintained by the Design and Construction Support Group, Technical Support Group, Radiological Support Group, and Administration and Logistics Support Group.

These headquarters will direct the General Office response activities of their respective groups. The Technical Support Group is responsible for getting up-to-date plant status data to the Design and Construction and Radiological Support Groups.

C. Additional Support Personnel

Temporary quarters for the additional support personnel will be established as necessary at time of emergency in a near site "trailer city". Space for 25-30 trailers and mess facilities are provided; power and telephone services will be provided at the discretion and direction of Administration and Logistics Manager. "Trailer City" locations are as follows:

Oconee: Keowee Construction Yard, about 1600 feet east of the 525 switchyard

McGuire: Parking lot area at Training and Technology Center, if needed.

VI. Emergency Equipment

Plant data is transmitted to various support groups by means of the VAX computer system during emergencies and drills. Technical Support Center personnel are responsible for releasing plant data on a timely basis. The Design and Construction Support Group VAX terminal is normally located in the David Nabow Library (EC-0230). During emergencies and drills this terminal will be relocated to C3/32 and operated by the C3/32 Staff Administrator.

## VII. Additional Support Needed From Other Groups

The following is a list of support activities that would be required from other groups in addition to the support that would normally be expected from the other Groups. (Reference Part III of Plan for identification of responsibilities and key interfaces.)

### A. Administration and Logistics Group

1. Secretarial, clerical personnel and assistance for typing, filing, reproduction, etc.
2. Communications equipment for members of Group. Each construction foreman would need capability to communicate with Construction or Engineering Directors and General Superintendent while performing repair work inside the plant.
3. Field-purchasing and delivery of required construction materials including materials control and contract negotiation/administration.
4. Transportation and delivery of required "Special Requirements" and other Support personnel as identified by Group Manager or Directors.
5. Maps of the appropriate areas for each Group member.
6. Set up and furnish required drafting areas and office spaces as determined by Manager and Staff Administrator.
7. Funds to cover out-of-pocket expenses incurred by Group members.
8. Provide necessary training of other personnel as required.

### B. Scheduling/Planning Group

Assemble the schedules and status reports for the Recovery Manager.

### C. Technical Support Group

Review proposed modifications to station equipment and system. Provide NSSS interface.

### D. Radiological Support Group

Review proposed modifications to related equipment.

## VIII. Recovery Planning

Once the immediate protective actions taken by the Crisis Management Organization have established an effective control over the emergency situation, actions will shift into the recovery phase. The Recovery Manager will inform the Group Managers when this is to occur.

J. L. Elliott will continue to act as the Design and Construction Manager during recovery. He will be responsible for assuring that Design and Construction activities are adequately staffed and equipped to aid the recovery effort. The Design and Construction Support Group organization will be changed as necessary to best meet the requirements of recovery.

Crisis Management Organization  
Activation Checklist

This checklist is to be completed by the Recovery Manager prior to informing the Station Emergency Coordinator that the Crisis Management Organization is ready to assume its responsibilities.

1.  All groups are in place, with adequate representation, and ready to perform their roles.
2.  Telephones and radios are operational.
3.  Tables and chairs are set up in accordance with CMC layout figure for the appropriate nuclear station.
4.  Recovery Manager is up to date on station status and pertinent information.
5.  Offsite Radiological Coordinator has been in contact with the Station Health Physicist and is prepared to take over contact with State & County Agencies, & NRC.
6.  A contact for Senior Level Duke Power Company Management has been identified and is prepared.
7.  If setup is initially at G.O. staging area, representatives have been dispatched to nearsite CMC and its backup facility (where appropriate) to ready those areas.
8.  Public Spokesman is present.

Crisis Management Center activated at \_\_\_\_\_ hours on \_\_\_/\_\_\_/\_\_\_ (Date).

\_\_\_\_\_  
Recovery Manager

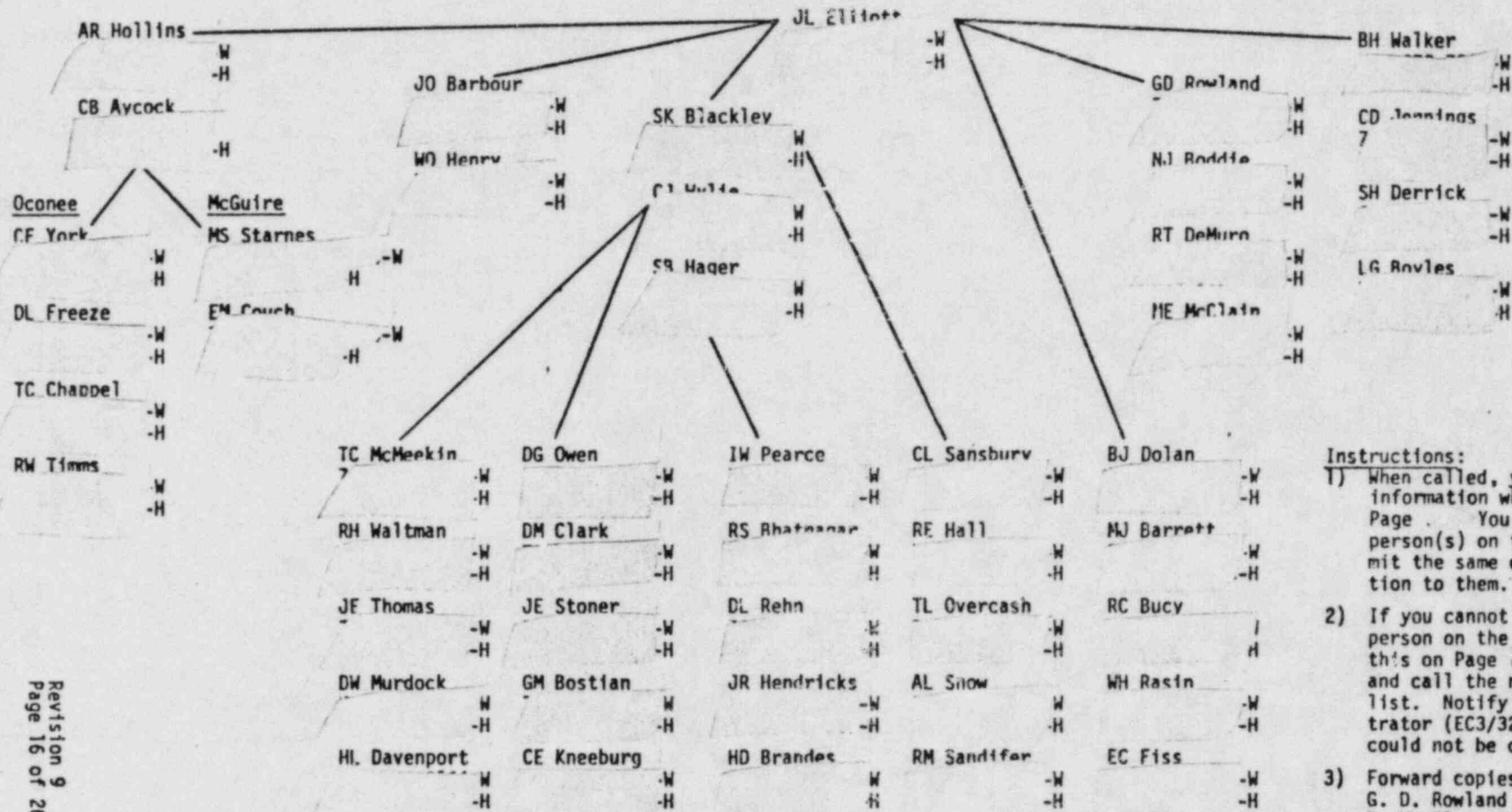
Crisis Management Organization (CMO)  
Emergency Activation Message

\_\_\_\_\_  
\_\_\_\_\_  
Your name \_\_\_\_\_  
Person who contacted you \_\_\_\_\_ Your Group \_\_\_\_\_  
Persons you contacted with this message \_\_\_\_\_  
\_\_\_\_\_. (If Any)

Message Format

1. This is \_\_\_\_\_ (caller's name).
2. I am notifying you of a drill /actual emergency at \_\_\_\_\_ Nuclear Station, Unit No. \_\_\_\_\_.
3. At this time the class of emergency is: \_\_\_\_\_ Alert; \_\_\_\_\_ Site Area Emergency; \_\_\_\_\_ General Emergency.
4. You are to activate your portion of the Crisis Management Organization and have them report to \_\_\_\_\_ your G.O. staging area; \_\_\_\_\_ the nearsite CMC; \_\_\_\_\_ backup CMC.
5. Specific Instructions (if any) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Please return copies of this completed format to the Emergency Response Coordinator, WC-2369 and Staff Administrator, WC-835

CRISIS MANAGEMENT PLAN  
DESIGN AND CONSTRUCTION GROUP  
TELEPHONE CALL-UP LIST



Instructions:

- 1) When called, you will receive information which you record on Page . You then call the next person(s) on the list and transmit the same emergency information to them.
- 2) If you cannot contact the next person on the list, then note this on Page , skip that person, and call the next person on the list. Notify the Staff Administrator (EC3/32) if any persons could not be contacted.
- 3) Forward copies of Page . to G. D. Rowland W and R. M. Glover WC-



MCGUIRE NUCLEAR STATION

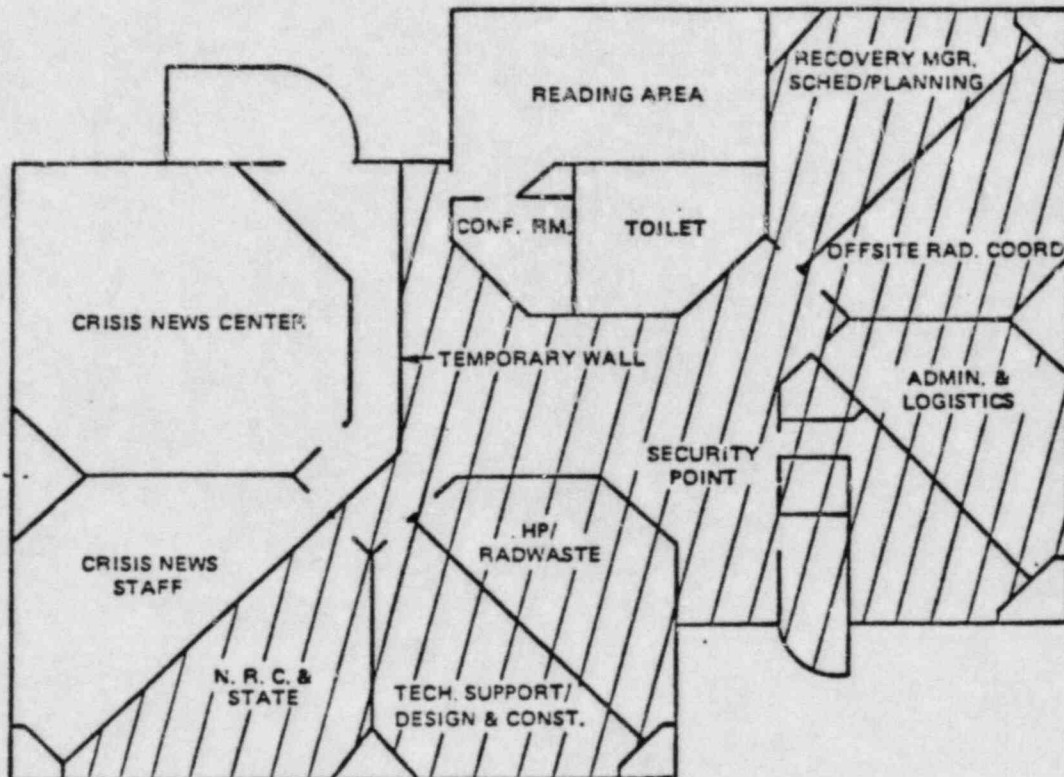
Revision 7  
Page 17 of 26



DUKE POWER COMPANY  
EMERGENCY RESPONSE FACILITIES  
McGUIRE NUCLEAR STATION

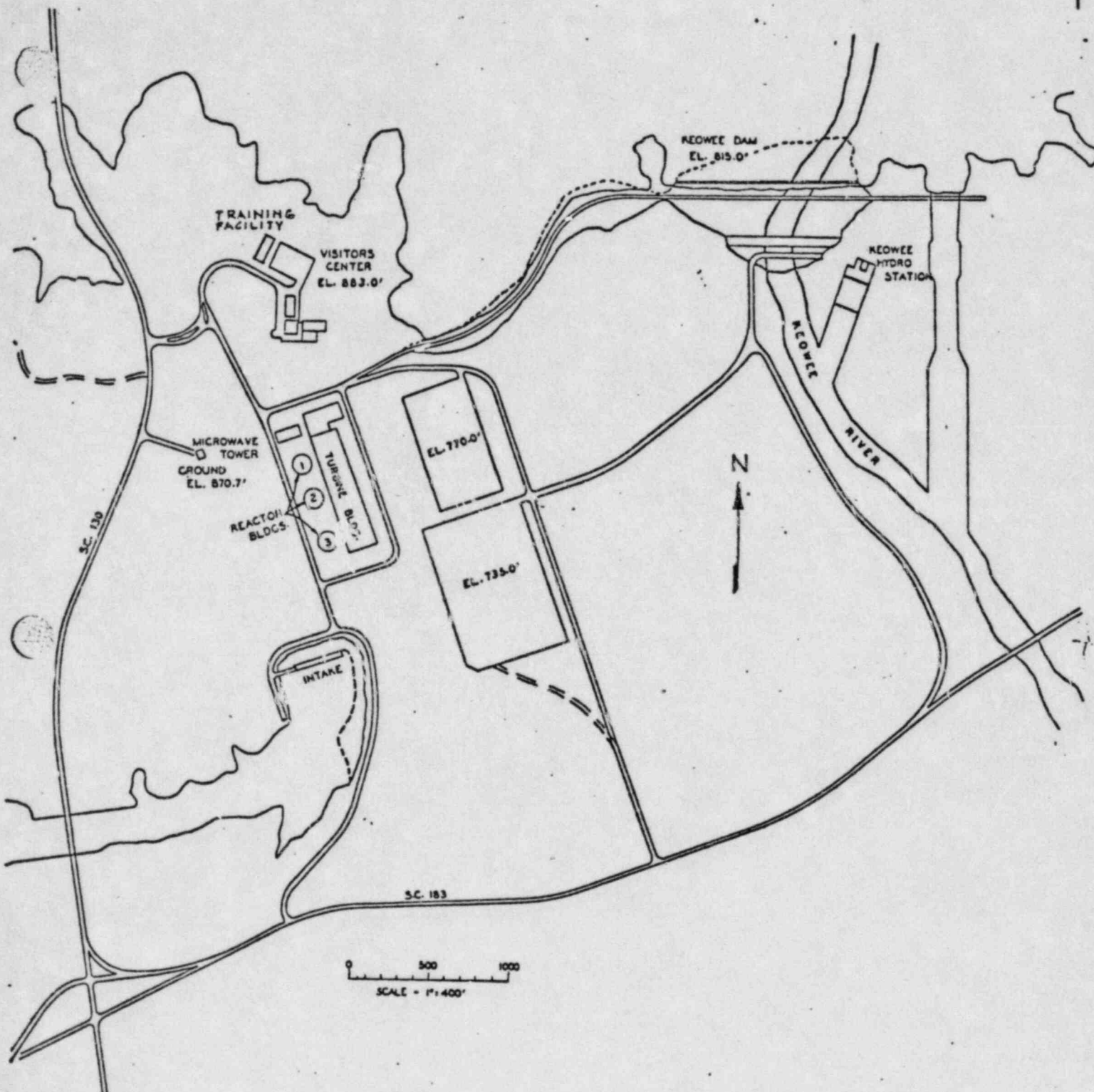
7

McGUIRE NUCLEAR STATION NEARSITE CRISIS MANAGEMENT CENTER  
TECHNICAL TRAINING CENTER  
(UPPER LEVEL)



7

7



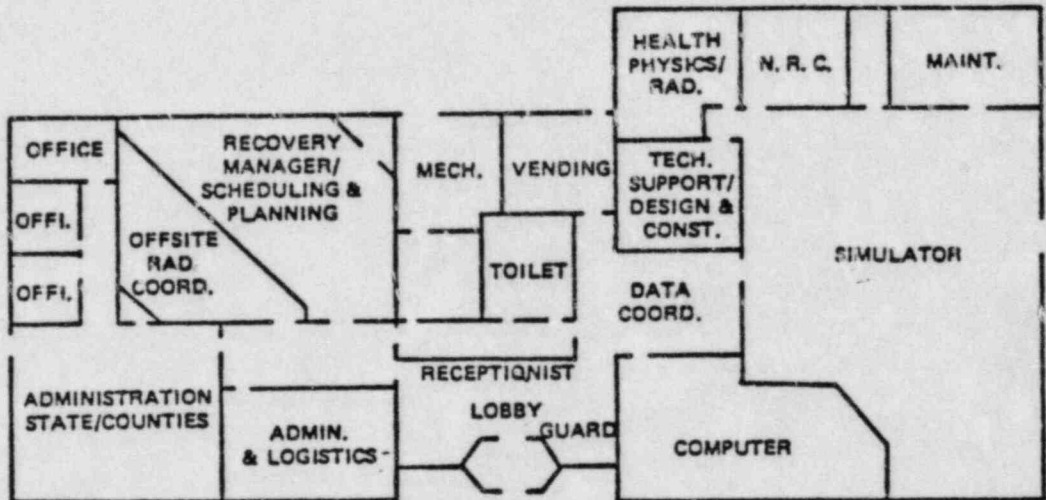
OCONEE NUCLEAR STATION

Revision 7  
Page 19 of 26

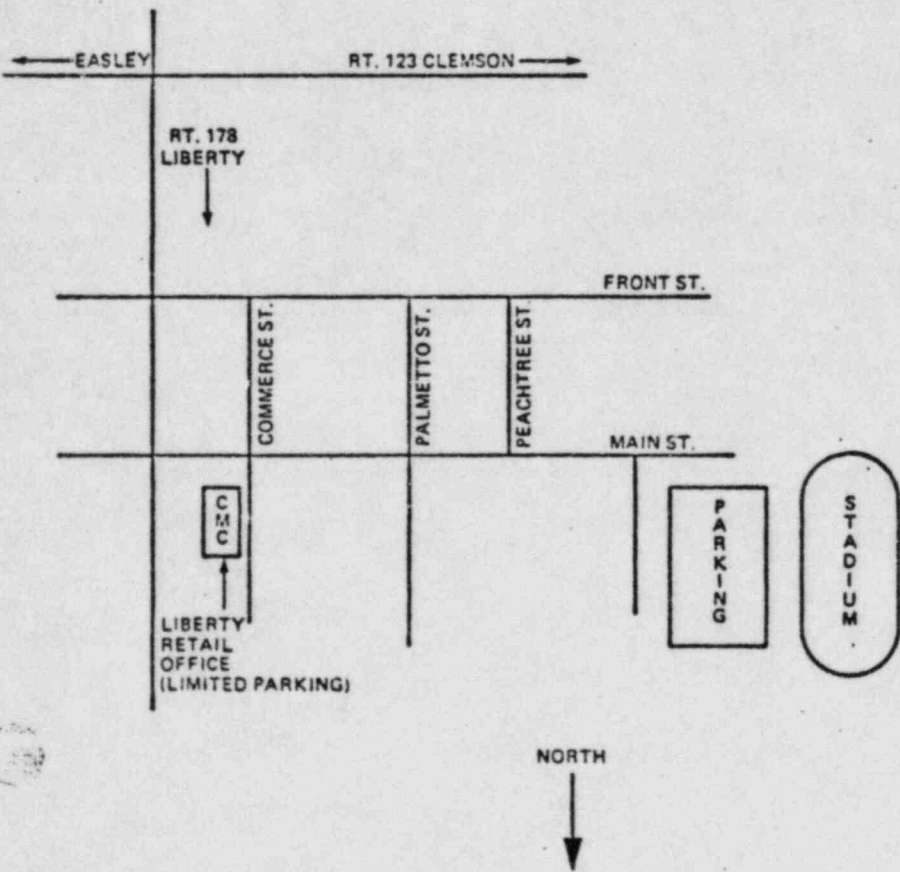
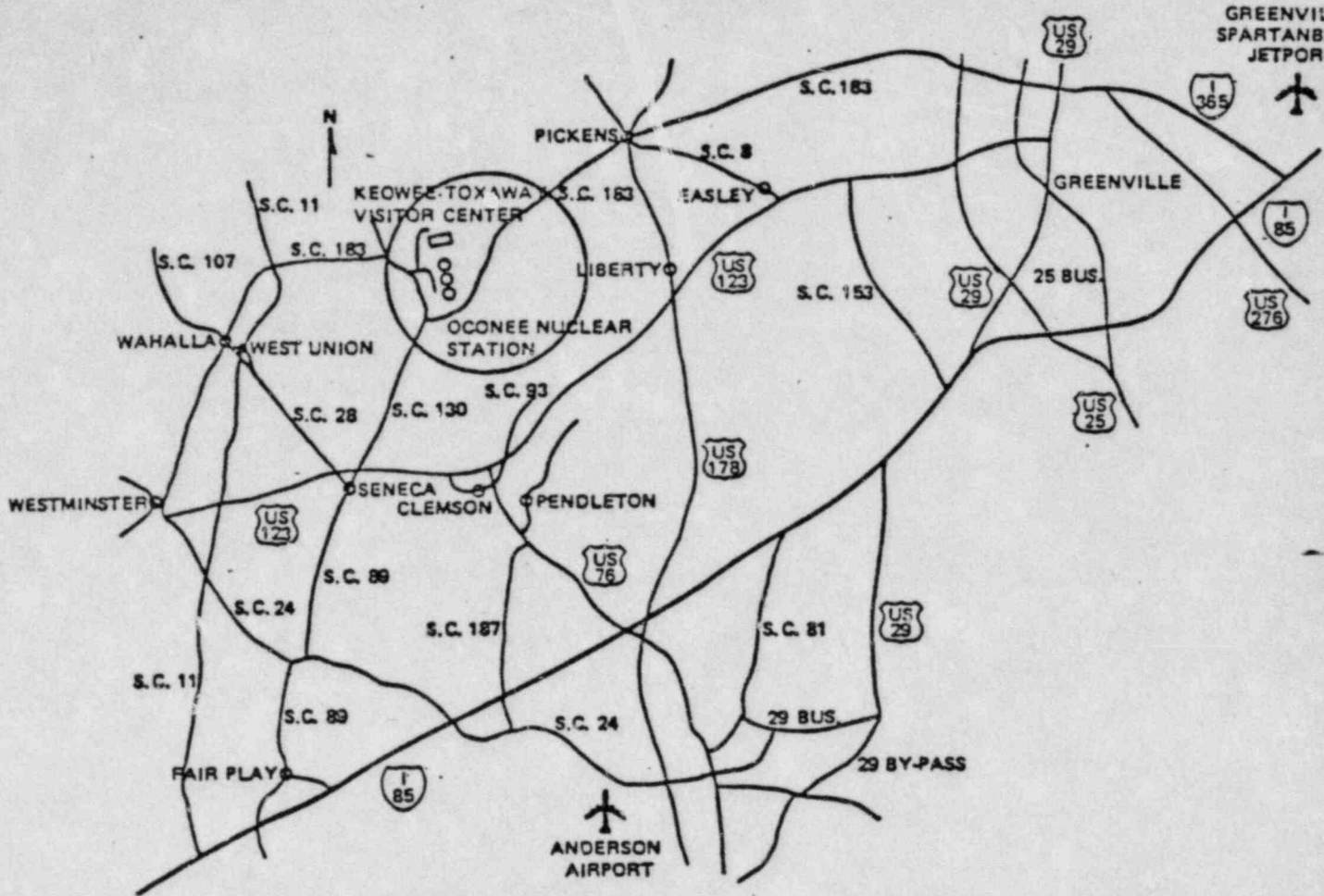
DUKE POWER COMPANY  
EMERGENCY RESPONSE FACILITIES  
OCONEE NUCLEAR STATION

7

NEARSITE CRISIS MANAGEMENT CENTER  
OCONEE SIMULATOR COMPLEX

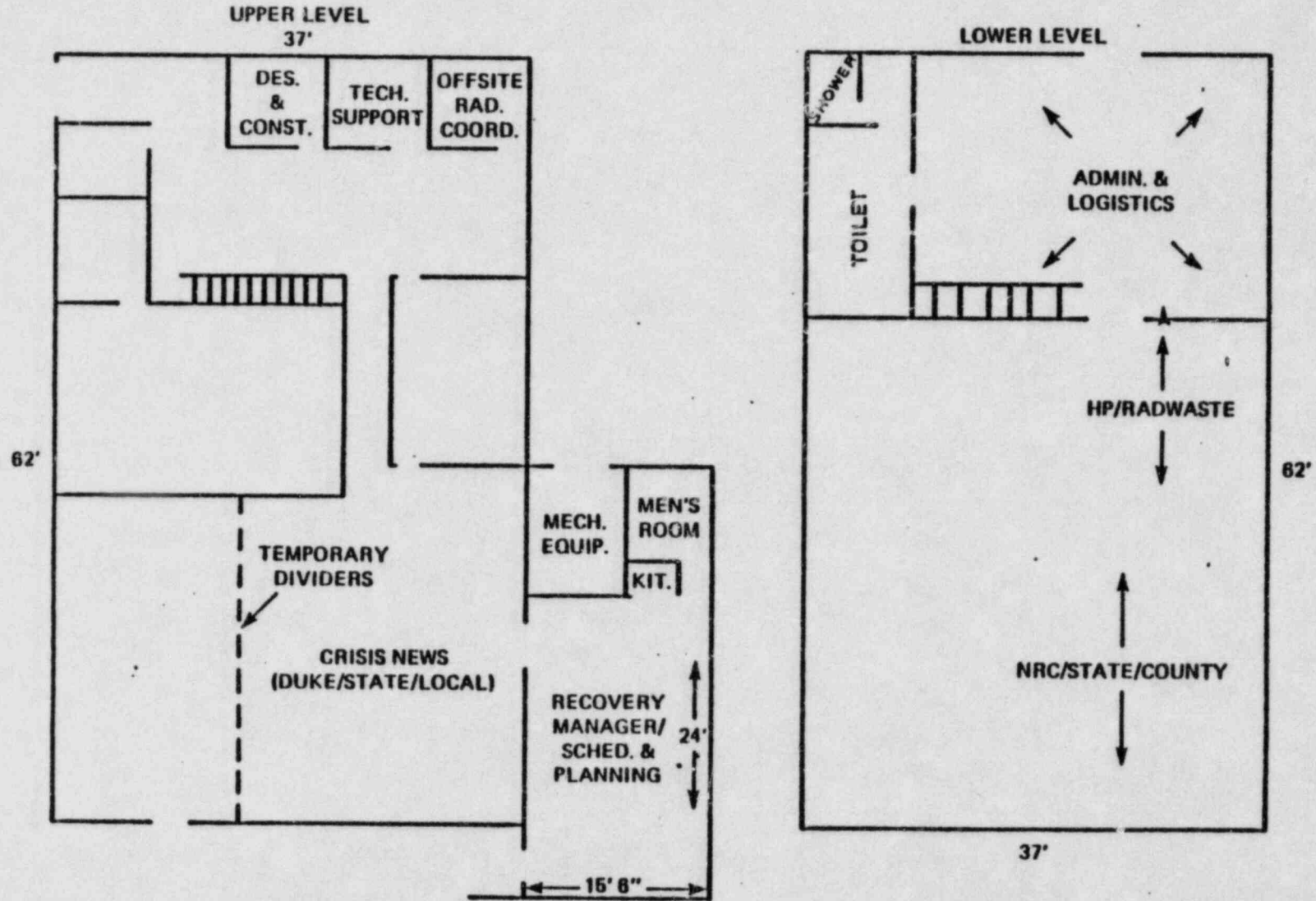


7



OCONEE NUCLEAR STATION BACKUP CMC LOCAT:

DUKE POWER COMPANY CRISIS MANAGEMENT PLAN  
OCONEE NUCLEAR STATION BACKUP CMC



MCGUIRE NUCLEAR STATION  
WESTINGHOUSE EMERGENCY ORGANIZATION

<u>TITLE OR FUNCTION</u>	<u>NAME</u>	<u>OFFICE</u>	<u>HOME</u>	<u>HHL</u>
1. Site Service Manager	John Roth			
2. Operating Plant Service Manager	John Miller			7
3. 1st Alternate	Jim Rea			
4. 2nd Alternate	Tim Sullivan			
5. Service Response Manager	Joe Leblang			
1st Alternate	John Miller			7
2nd Alternate	Dave Campbell			
6. Emergency Response Director	Hank Ruppel			
7. Emergency Response Deputy Director	Ron Lehr			
8. Emergency News Communications	Mike Mangan			7

Note: Unless indicated otherwise, all phone numbers are area code      Where an area code other than      is shown, it applies to the office, home, and HHL numbers.

OCONEE NUCLEAR STATION  
Babcock and Wilcox Emergency Organization

<u>Title or Function</u>	<u>Name</u>	<u>Office</u>	<u>Home</u>
1. Service Manager	R. V. Straub		
2. Associate Service Manager	J. G. Brown		
3. Resident Engineer	B. W. Street		
4. Resident Engineer	L. H. Williams		
5. Plant Operations	G. T. Fairburn		
6. Event Analysis	E. R. Kane		
7. Over-all Management	D. H. Roy		
8. Safety Analysis	J. B. Andrews		
9. ECCS Analysis	G. E. Anderson		

Notes

1. Unless indicated otherwise, all phone numbers are area code
2. To reach area code numbers from Oconee, dial office extension only; complete home number shown.

CRISIS MANAGEMENT TELEPHONE NUMBERS

1. General Office Numbers

Recovery Manager -

Radiological Support -

Design & Construction .

Offsite Radiological Coordinator

Technical Support -

Administration/Logistics -

2. McGuire Technical Training Center Numbers

Direct  
Bell Line

Training Center Switchboard  
extension

Recovery Manager

ext.

Design & Construction and  
Technical Support

ext.

Radiological Support

ext.

Offsite Radiation Coordinator

ext.

Administration/Logistics

ext.

3. Oconee Nuclear Training Facility Numbers

Direct  
Bell Line

ONS  
Switchboard  
ext.  
, ext.

Recovery Manager

ext.

Design & Construction

ext.

Technical Support

ext.

Radiological Support

ext.

Offsite Radiation Coordination

ext.

Administration/Logistics

ext.



DESIGN & CONSTRUCTION SUPPORT GROUP  
DISTRIBUTION LIST - CRISIS MANAGEMENT PLAN

<u>COPY NUMBER</u>	<u>INDIVIDUAL</u>
19	J. L. Elliott
20	S. K. Blackley
21	A. R. Hollins
22	S. B. Hager
23	C. J. Wylie
77	L. C. Dail
81	C. D. Jennings
82	C. D. Jennings

| 7

| 7

CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS

5.3.6 - Radiological Support Group

Rev. 6  
Revision Number

February 28, 1983  
Date

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## I. SCOPE

The Radiological Support Group is responsible for providing support to the Recovery Manager in matters relating to Health Physics, Radwaste, Chemistry, Dose Assessment, Field Monitoring, Lab Analysis, and Liaison with State Agencies.

The Group is divided into two sections. The Health Physics/Radwaste/Chemistry areas provide technical support to the station in analysis of problems that arise inplant. The offsite Radiological Coordinator reports to the Radiological Support Manager and is responsible for those necessary offsite activities/assessments.

The main objective of the Health Physics/Radwaste/Chemistry section (during the first few days) are to:

1. Retain and/or return radioactive liquids and gases involved in the incident to the containment building.
2. Take advantage of the radioactive decay process.
3. Keep contaminated surfaces wet.
4. Review all outside recommendations to protect plant from outside interference.

The Offsite Radiological Coordinator section of the Group is responsible for:

1. Determining projected and actual doses to the public.
2. Determine environmental affects of a release.
3. Advising the Radiological Coordinator of any recommendations for public protective actions in accordance with EPA PAGs.

## II. FUNCTIONAL RESPONSIBILITY

The Radiological Support Group is displayed in Table 1. Table 2 lists the home and office telephone numbers for the group.

### A. Radiological Support Manager

Reports to: Recovery Manager

Supervises: Health Physics, Chemistry, and Radwaste Staffs; Offsite Radiological Coordinator & Staff

Basic Function:

Coordinates the Health Physics, Chemistry and Radwaste and Offsite Assessment activities in support of the recovery effort.

Primary Responsibilities:

1. Direct the activities of the Health Physics, Chemistry, and Radwaste Staffs in the development and implementation of plans and procedures to minimize radiation exposure and off-site releases.
2. Assure the Health Physics, Chemistry, and Radwaste and Offsite Radiological Support Staffs are adequately staffed and equipped to respond in a timely fashion.
3. Assure that Health Physics, Chemistry, and Radwaste and Offsite Radiological Support specialists are available on a pre-planned basis for assisting the Station Technical Support personnel as required.
4. Approve schedules and priorities for tasks assigned to the Group.
5. Coordinate plans and schedules of tasks with appropriate managers of the recovery organization.
6. Provide information and recommendations to the Recovery Manager concerning future operations that could affect the plant or the environment.

Principal Working Relationships:

1. Nuclear Station Manager regarding dose control measures and implementation of plans to obtain samples and process liquid, gaseous and solid wastes, and to obtain data on plant waste systems status.

2. Technical Support Manager concerning review and approval of proposed modifications to procedures, systems, and equipment.
3. Design and Construction Support Manager concerning implementation of proposed modifications to systems and equipment.
4. Off-Site Radiological Coordinator concerning off-site sampling programs, dose assessments, and radiation protection programs.
5. Scheduling/Planning Manager regarding planned and scheduled activities of the Health Physics/Radwaste Group.

B. Resources Coordinator

Reports to: Radiological Support Manager

Basic Function:

To assist the Radiological Support Manager in all areas of responsibility and assure that Health Physics, Chemistry, and Radwaste activities are adequately staffed and equipped to respond in a timely fashion.

Primary Responsibilities:

1. Assist the Radiological Support Manager in the direction and scheduling of Health Physics, Radwaste, and Chemistry activities in support of recovery operations.
2. Obtain personnel and equipment as needed to assure an adequate and timely response to Health Physics, Radwaste, and Chemistry activities.

Primary Working Relationships:

1. Radiological Support Manager, Health Physics Coordinator, Radwaste Coordinator, and Chemistry Coordinator regarding personnel, equipment and supplies necessary to support recovery operations.
2. Administration and Logistics Manager regarding personnel, equipment, and supplies procurement and storage until needed.
3. Scheduling/Planning Manager regarding the implementation of Health Physics, Radwaste, and Chemistry activities.

C. Health Physics Coordinator

Reports to: Radiological Support Manager

Supervises: Health Physics Staff Personnel

Basic Functions:

Directs the Health Physics Staff in providing technical support and assistance to the Station Health Physicist concerning radiation protection aspects of the recovery operation.

Primary Responsibilities:

1. Participates as a member of the Radiological support group and directs the Health Physics staff in support of the recovery operations.
2. Develop and assist in the implementation of radiation exposure control (ALARA) measures and procedures, and in the planning, scheduling, mock-up training, and performance of jobs involving personnel exposure to radiation and contamination.
3. Assist in the implementation of Health Physics related design requirements for waste system processing and design modification activities; and develop decontamination plans for affected plant areas.
4. Assist in the design, construction, and use of special contamination containment enclosures, temporary ventilation systems, temporary shielding, remote handling equipment, special tools, special means of communication, and other facilities to maintain personnel exposure to radiation and contamination ALARA.
5. Provide technical support for resolution of technical problems related to the Health Physics aspects of the recovery operation.
6. Complements station dosimetry services by providing all personnel other than station personnel with required dosimetry, conducting body burden analysis, issuing TLD badges, obtaining and maintaining required NRC and corporate personnel exposure records, and submitting personnel dosage reports through appropriate channels to the NRC and individual workers.
7. Prepare and present special Health Physics training directly related to recovery activities involving Health Physics consideration, assures that routine radiation protection training, and respiratory protective equipment training and fitting is accomplished.

8. Select and coordinate the procurement of additional or special Health Physics instruments, supplies, and manpower to support the recovery operations and for long term basis; direct instrument control services such as instrument calibration, repair, etc.
9. Maintain Health Physics related computer programs (exposure control, exposure record keeping, respiratory qualification and training, body burden analysis, etc.) and provide required reports to support the recovery operation.

Principal Work Relationships:

1. Station Health Physicist regarding radiation protection support and dose management.
2. Conceptual design group regarding shielding or equipment to be used in modifications.
3. Radwaste Coordinator regarding liquid, gaseous, and solid waste system processing, and decontamination plans.
4. Scheduling/Planning Manager regarding planned and scheduled activities involving personnel exposures to radiation and/or contamination.

D. Radwaste Coordinator

Reports to: Radiological Support Manager

Supervises: Radwaste Staff Personnel

Basic Function:

Responsible for the development of plans and procedures to quantitate \*source term for potential effluent releases; for minimizing off-site effluent releases by developing plans and procedures to control liquid, gaseous, and solid waste processing; and for defining design requirements for any modifications or additional equipment necessary to facilitate waste processing in support of the recovery operation.

Primary Responsibilities:

1. Participate as a member of the Radiological support group and direct the radwaste staff in support of radwaste recovery operations.
2. Develop and assist with the implementation of plans and procedures for monitoring and quantitating off-site releases.



3. Develop and assist with the implementation of plans and procedures for processing liquid wastes to minimize off-site releases.
4. Develop and assist with the implementation of plans and procedures for storage and filtration of gaseous wastes to minimize off-site releases.
5. Develop and assist with the implementation of plans and procedures for solidification of liquid and slurry wastes and for solid waste disposal.
6. Recommend equipment and vendors for use in radiation monitoring and waste processing activities.
7. Provide manpower to receive and ship radioactive materials at the station.

Principal Working Relationships:

1. Off-site Radiological Coordinator and Station Health Physicist regarding the magnitude of off-site releases and affects of waste processing of off-site releases.
2. Technical Support Coordinator regarding technical and licensing feasibility of processing plants.
3. Station Radwaste Coordinator and Chemistry Coordinator regarding the feasibility of processing plans, status of radwaste processing including radwaste volumes.
4. Vendors regarding radwaste processing equipment and services and radiation monitors.
5. Scheduling/Planning Manager regarding any modifications to radwaste and radiation monitoring systems.
6. Health Physics Coordinator regarding specialized procedures or equipment to be used to reduce radiation exposures to personnel during radwaste sampling and processing.
7. Station Health Physicist regarding off-site shipments of radioactive wastes.

E. Chemistry Coordinator

Reports to: Radiological Support Manager

Supervises: Chemistry Staff Personnel

Basic Function:

Responsible for the development of plans and procedures to determine the extent of core damage that has occurred; to evaluate the types and quantities of fission products released to the containment in the liquid and gas phase; to determine the chemistry (dissolved gases, boron, and pH) of reactor coolant; to determine the containment hydrogen levels; and to reduce airborne radioactive iodine levels by chemical treatment.

Primary Responsibilities:

1. Participate as a member of the Radiological Support group and direct the chemistry staff in support of radwaste recovery operations.
2. Develop and assist with the implementation of plans and procedures for determining the extent of core damage.
3. Develop and assist with the implementation of plans and procedures to collect and analyze reactor coolant and reactor building sump samples.
4. Develop and assist with the implementation of plans and procedures to evaluate the results of analyses of reactor coolant and containment atmosphere samples for fission products, dissolved gas, boron, pH, and hydrogen content.
5. Develop and assist with the implementation of plans and procedures to reduce airborne radioactive iodine by chemical treatment.

Principal Working Relationships:

1. Station Chemist and Technical Support Manager regarding the extent of core damage.
2. Station Chemist and Radwaste Coordinator regarding collection and analysis of liquid samples.
3. Radwaste Coordinator and Station Health Physicist regarding collection and analysis of air samples.
4. Radwaste Coordinator regarding the feasibility of processing plans, status of radwaste processing including radwaste volumes.
5. Design and Construction Support personnel and Technical Support personnel regarding any modifications necessary to collect or analyze chemistry samples.

6. Station Operations Superintendent regarding chemistry and radio chemistry problems affecting operations.
7. Health Physics Coordinator regarding specialized procedures or equipment to be used to reduce radiation exposures of personnel collecting and analyzing reactor coolant and containment atmosphere samples.
8. Station Chemist and Health Physics Coordinator regarding chemicals and procedures to reduce airborne radioactive iodine levels.

F. Off-Site Radiological Coordinator

Reports to: Radiological Support Manager

Supervises: Off-Site Radiological Coordination Staff

Basic Functions:

Defines, directs, and coordinates efforts of staff, coordinates with State and local emergency control centers, and advises Radiological Support Manager with regard to off-site radiological conditions and need for emergency action offsite. Located at Crisis Management Center.

Primary Responsibilities:

1. Direct the activities of the Off-Site Radiological Coordination staff in the development of field monitoring strategies, sample collection and analyses requirements, dose projections, and protection recommendations.
2. Assure adequate staffing and resources to provide necessary support to Radiological Support Manager in off-site radiological matters.
3. Review staff results and recommendations and draw conclusions concerning off-site radiological conditions.
4. Advise Radiological Support Manager of existing and potential radiological conditions and recommend protective measures.

Principal Working Relationships:

1. Station Emergency Coordinator & Radiological Support Manager regarding status of defacto and potential releases, radiation levels, and plant status.
2. State and local emergency response centers.

3. Administration and Logistics Manager regarding personnel, equipment, and supplies procurement.
4. Scheduling/Planning Manager regarding coordination of plans and schedules of the Group with other functional groups.
5. NRC Advisory Support regarding off-site conditions.
6. Arrange for radiological surveillance by airborne monitoring teams.

G. Field Monitoring Coordinator

Reports to: Off-Site Radiological Coordinator

Supervises: Field Monitoring Crews

Basic Functions:

Directs efforts of crews to obtain required field measurements and environmental samples. Advises Off-Site Radiological Coordinator of results of field measurements. Located in Crisis Management Center and may travel to field or off-site analytical laboratory.

Primary Responsibilities:

1. Direct the activities of the field monitoring crews; implement monitoring strategies and sample collection requirements.
2. Assure adequate staffing and resources for field crews.
3. Review and compile field monitoring results and advise Off-Site Radiological Coordinator.

Principal Working Relationships:

1. Laboratory Analyses Coordinator regarding sample collection for analyses.
2. Dose Assessment Coordinator regarding monitoring results used to calculate doses and develop distribution maps.

NOTE: See appended field monitoring procedures for Oconee and for McGuire Nuclear Station.

H. Laboratory Analyses Coordinator

Reports to: Off-Site Radiological Coordinator

Supervises: Laboratory Technicians (2 people)

Basic Functions:

Directs the efforts of the laboratory staff to assure quality of and expedite sample analyses. Advises Dose Assessment Coordinator (primarily) and Off-Site Radiological Coordinator (secondarily) of results of laboratory analyses. Located at off-site analytical laboratory. In telephone or radio contact with Crisis Management Center.

Primary Responsibilities:

1. Direct the activities of the laboratory staff; assure implementation of analytical requirements.
2. Assure adequate staffing and resources for laboratory.
3. Review and compile laboratory results and advise Dose Assessment Coordinator (primarily) and Off-Site Radiological Coordinator (secondarily).

Principal Working Relationships:

1. Field Monitoring Coordinator regarding sample collection for analyses.
2. Dose Assessment Coordinator regarding laboratory results used to calculate doses and develop distribution maps.

Lab Analysis Group Operations:

The Laboratory Analyses Coordinator (LAC) will direct and coordinate the Environmental Radiological Laboratory (ERL), which will participate in the Crisis Management Plan by analyzing environmental samples for their radioactive content. The results of the analysis will indicate the quantity of radioactivity present in the sample by radionuclides and/or by gross alpha beta activity. As these results are obtained, they will be transmitted (by telephone or radio) to the Off-Site Radiological Coordinator and Dose Assessment Coordinator for use in determining the status of the environment.

In the event of an accident, the ERL would go to a 24-hour per day operation. There would be two 12-hour shifts with each shift manned by the LAC or his alternate, one of the two technicians regularly assigned to the ERL, and one additional technician supplied by the Environmental Chemistry Group. This setup would assure smooth and continuous operation of the ERL. There would also be alternate technicians available (from the Chemistry Group) if the need arises.

The ERL would receive its samples from the Field Monitoring Teams, either by company mail for low priority samples or by a courier dispatched to deliver high priority samples. The Field Monitoring Coordinator would have the responsibility of getting the samples to the ERL. Some of the sample types which could be received are ground water, surface water, drinking water, air particulate filters and iodine cartridges, vegetation, soil and milk. All liquid samples should be at least one gallon. Air volumes or meter readings off the air sampler should be included with any air filter/cartridge samples. Vegetation samples should contain approximately one kilogram (2 lb.) of vegetation. Soil samples should be able to fill a one liter bottle. All samples should be well labeled as to the collection, location, and time.

All samples received by the ERL will be gamma scanned using the Nuclear Data 6620 and GeLi detectors. High priority samples would be counted first depending on the urgency. Counting times for the gamma scan would vary according to the sample volume and its radiation level. The counting time for a sample could be as low as 10 minutes for a sample with a large volume and high activity in respect to natural radiation, to a couple of hours for a sample with a small volume and relatively low activity. Most samples can be gamma scanned without any special preparations. All that is required to transfer the sample to the proper counting configuration and follow the steps in procedure ER/O/B/4100/04 (Operation of the Nuclear Data 6600 Computer-Based Gamma Analysis System) in the control procedures for the ERL.

The gamma results, printed out by the Nuclear Data System, would indicate the quantity of each gamma emitting radionuclide present in the sample. These results could then be forwarded to the ORC or QAC.

Some samples would require gross alpha/beta and/or low level iodine analysis. These samples would have to be prepared for counting according to the procedures in the "Radiological Lab Procedure Manual". All samples which require alpha/beta analysis will be counted on the

alpha/beta counter. From the time the sample is received to the time the results could be obtained would require 8 to 20 hours, depending on the type of preparation needed for the sample.

A final report would be printed for each sample which would include sample location, sample type, collection date, all activities of the radionuclides present and the results of any special analysis performed on the sample. The original report will be kept on file at the ERL and a copy will be sent to the ORC for his use.

I. Dose Assessment Coordinator

Reports to: Off-Site Coordinator

Supervises: NA

Basic Functions:

Performs required dose calculations under direction of ORC and develops radioactive material (contamination) distribution maps. Advises Off-Site Radiological Coordinator of results. Located at the Crisis Management Center.

Primary Responsibilities:

1. Directs the efforts of one technician who assists in performance of calculations, runs computer programs, and plots charts and maps.
2. Computes doses based on release data, meteorology, monitoring results, and analytical results using dose calculation models.
3. Review and compiles results into a concise form and advises Off-Site Radiological Coordinator.

Principal Working Relationships:

1. Field Monitoring Coordinator regarding monitoring results.
2. Laboratory Analyses Coordinator regarding laboratory results.
3. General Office Meteorology Group regarding meteorological consultation and forecasts.
4. Design Engineering Radiation Analysis Group regarding dose calculation consultation.

## General Description of Dose Assessment Group Operations

### A. Nature & Scope

The Dose Assessment Coordinator and his assistant will be located at the Crisis Management Center (CMC) during the accident. His primary responsibility is to advise the Off-Site Radiological Coordinator of the doses to the population in the vicinity of the station during an accident. The Dose Assessment coordinator calculates the doses based on release data, meteorology, monitoring results and analytical results using dose calculation models.

### B. Principal Working Relationships

In addition to reporting directly to the Off-Site Radiological Coordinator, the Dose Assessment Coordinator must interact with other groups to obtain the information he needs to perform his job. The four principal groups he will be interacting with during the emergency situation are the Field Monitoring Coordinator, the Laboratory Analyses Coordinator, the General Office Meteorology Group and the Design Engineering Radiation Analysis Group. From the Field Monitoring Coordinator, he will gather results of direct field radiation measurements being made during the emergency. The Laboratory Analysis Coordinator will provide him with all laboratory results. The Dose Assessment Coordinator will use the field measurements and laboratory results to confirm his dose calculations. The G.O. Groups (Meteorology and Design Engineering Radiation Analysis Groups) will be available for consultation as needed.

## Emergency Actions and Response:

### A. Notification of Personnel

In the event of a crisis, the Dose Assessment Coordinator will be manned as described in Table 2.

If the primary cannot be reached either at his office or at home, then the alternates should be contacted.

If the accident occurs after regular working hours, it is recommended that the ONS representative be contacted if the accident occurs at ONS. Similarly, if the accident occurs at MNS, then the MNS representative should be called. These people live closer to their respective stations and can be at the CMC faster than the others.



If the accident occurs at ONS and the ONS alternate cannot be reached, then anyone of the other three alternates can be called since they all live at approximately the same distance from ONS. However, it is recommended that if the emergency is at MNS and the MNS alternate cannot be reached, the G.O. alternates should be called because they live closer to MNS. Regardless of the situation or where it occurs, the primary will be called before any of the alternates are notified.

B. Dose Assessment Coordinator's Arrival at CMC  
(Initial Evaluation)

It is expected that the initial evaluation of the magnitude of the release and the dose projections will be performed by station personnel.

As soon as the Dose Assessment Coordinator arrives, he should establish contact with the Off-Site Radiological Coordinator and with the other groups with whom he will be closely interacting to inform them of his arrival. He then should review the available information with the Acting Dose Assessment Coordinator.

As part of his initial evaluation of the accident, the Dose Assessment Coordinator should review the following information:

1. Date and time of accident
2. Class of emergency
3. Type of actual release (i.e., airborne, waterborne, surface spill) and estimated duration time
4. Estimate of quantity released or being released and height of release
5. Isotopic composition of material and relative quantities (i.e., noble gases, iodines and particulates)
6. Prevailing weather (i.e., wind velocity, direction, temperature, atmospheric stability data form of precipitation, if any)
7. Calculated dose rates and integrated doses from release
8. Estimate of any surface contamination
9. Emergency response actions underway (e.g., evacuation)
10. Recommended emergency actions including protective measures
11. Prognosis for worsening or termination of event based on plant information.

The initial review of the situation should be performed as quickly and efficiently as possible. After the initial review, the Dose Assessment Coordinator will be ready to assume his responsibilities and can take over the dose assessment role.

Table 5 will be updated every 30 to 60 minutes and provided to the ORC and the Scheduling/Planning Manager.

C. Dose Evaluation and Confirmatory Measurements

Once the Dose Assessment coordinator assumes his role, he will calculate the doses to the population in the vicinity of the station using the dose isopleths, release data and meteorology data. He will also use the field measurements to confirm his dose calculations. The method of dose assessment can be generally described in the following steps:

1. From the meteorological data available, choose proper overlays and sector.
2. Using release rate data, calculate doses and plot on maps.
3. Keep Off-Site Radiological Coordinator informed and up-to-the minute on all dose estimates.
4. Follow up dose estimates with environmental measurements.

All projected environmental doses/rates should have follow up field measurements made to confirm. Hence, extensive field measurements should be made continuously during the entire course of the emergency.

During the first several hours of the accident, it is expected that the Dose Assessment Coordinator (and his alternates) will work 12-hour workshifts until the emergency is under full control and the accident does not pose a threat to the population.

J. Special Assistance Coordinator

Functional Responsibilities:

Location/Background Requirements/Basic Function -

The Special Assistance Coordinator will be located in the Crisis Management Center with the Off-Site Radiological Coordination Group.

The person filling this description shall have a solid Health Physics background, and be knowledgeable of the site location, personnel and surrounding area.

The basic function of the Special Assistance Coordinator will be to assist the Off-Site Radiological Coordinator (ORC) as an individual contributor on any matter which the ORC cannot handle due to priorities.

Responsibilities -

1. Assist the ORC through coordination with other groups to handle administrative task and technical needs. This could include such items as --
  - a) berthing, messing of ORC Group personnel
  - b) procurement of consumable supplies
  - c) arranging assistance/alteration for maintenance of equipment or facilities
2. Maintain contact with federal and state agencies (e.g., BRH-S.C., RPS-N.C., NRC, EPA, etc.) on environmental matters. Update State and Counties periodically (approx. 30 to 60 minutes) on the preformatted message sheet.
3. Be familiar with site facilities including location of CMC and ORC facilities.
4. Assure phones, furniture, necessary drawings, etc. are available on-site for ORC in case of emergency.
5. Be familiar with the local nuclear station environs, civil defense personnel, and established communications networks.
6. Respond to material/supply requirements for ORC group members that they are not responsible for providing in case of an emergency.
7. Work closely with ORC to assure smooth functioning of ORC Group on 24-hour basis.
8. Attend meetings for ORC which he cannot attend and be prepared to respond to needs of requirements requested of ORC Group.
9. Work on special projects assigned by ORC.
10. Perform other functions as assigned by ORC.

K. Radio Operator

Reports to: Field Monitoring Coordinator

Supervises: N/A

Function/Responsibilities:

This position provides radio communication support for the Off-Site Radiological Coordinator and his staff in the field and with supporting agencies.

L. Local Agency Liaison

Reports to: Off-Site Radiological Coordinator

Basic Functions:

Serves as company representative first at local Emergency Operations Center and then at State center, as required.

Primary Responsibilities:

1. Provides answers to local/state EOC staff regarding company-related questions.
2. Interprets information sent to EOC from Crisis Management Center.
3. Keeps ORC informed on EOC actions.

Principal Working Relationships:

1. State EOC staff regarding questions and information.
2. County EOC staff and agencies regarding questions and information.
3. Receives information updates on questions regarding plant status by contacting the Systems Analysis Coordinator in Technical Support. This person can be reached at numbers for Technical Support available in procedures 5.3.10 and 5.3.11.

### III. GROUP ACTIVATION

#### A. Radiological Support Manager

Notification of an emergency or accident situation initiating the implementation of the overall Crisis Management Plan will be by the Manager of the Recovery Operation or by his designee.

#### B. Health Physics/Radwaste/Chemistry Section

Notification will be by the Radiological Support Manager and/or designee by using the call tree described in Table 3. Members of this section and their office and home phone numbers are included in the plan in Table 2.

Upon Notification of an emergency or accident situation and the Recovery Manager decides to activate the near-site CMC at Oconee or McGuire Nuclear Station or the backup CMC at Oconee Nuclear Station, W. A. Haller, R. H. Charest, R. T. Simril, J. B. Sigmon, J. G. Weinbaum, R. C. Futrell and J. I. Wyant shall proceed to the specified site. All other personnel shall report to Wachovia Center WC-2390. J. E. Cole will assume the responsibilities of the Group Manager until the nearsite or backup CMC is activated. If the General Office staging area is initially activated, all personnel shall report to WC-2390 except for W. A. Haller and R. T. Simril who will report to the Recovery Manager in WC-1222.

The Station Health Physicist is the person designated for Health Physics/Radwaste Group personnel to obtain information about the incident (sequence of events, present status, apparent causes, etc.)

#### C. Offsite Radiological Coordinator and Group

The OSRC will be contacted by the Radiological Support Manager or designee. The OSRC will contact his section according to the call tree in Table 4. Table 2 lists the office and home phone numbers for members of this section.

Activation of the OSRC group will be in room 2336 of the Wachovia Center, at the Oconee or McGuire Training Centers, or the Liberty, South Carolina retail office depending upon the incident and the needs of the Recovery Manager.

#### D. Message Format

Table 6 will be used to relay the emergency information. Information on this form will direct each individual to their duty station. It is the responsibility of the Off-Site Radiological Coordinator to direct his section's response appropriate to the incident.

#### E. Call Tree

The "call tree" for use in initiating the Group Plan is described in Tables 3 and 4. The person contacted by the Recovery Manager or his

designee will call the primary coordinator in each area and the alternate manager. The primary coordinators will contact their alternates. If the Radiological Support Manager is unable to reach a primary coordinator he will contact all of the alternates in that area.

#### IV. FACILITIES, EQUIPMENT, AND RESOURCES

A. Facilities - The Radiological Support Manager is located in the Crisis Management Center (location as specified by the Recovery Manager upon initial notification). This center is the headquarters of the Recovery Manager and his staff and from here all emergency and recovery activities will originate. For initial General Office staging, the CMC will be in WC-1222. The near-site and backup CMC for Oconee Nuclear Station are the Oconee Training Center and Liberty Retail Office, respectively. The near-site CMC location for McGuire Nuclear Station is at the Technical Training Center and the backup location is in the General Offices in Charlotte. The Health Physics/Radwaste/Chemistry Section will operate out of Wachovia Center 2390. The Offsite Radiological Coordinator and his section will operate out of the facility manned by the Recovery Manager.

#### B. Equipment and Resources

##### 1. Communication

- a. Crisis Management Center - redundant two-way communications with the Emergency Operation Center, the Control Room, other appropriate off-site agencies and telephone.
- b. Alternate Crisis Management Center - Has some communications capability as described for Crisis Management Center.
- c. Support Group Personnel at Site - Telephone connections with Crisis Management Center and Alternate Crisis Management Center, and with the station.
- d. Personnel at General Office - Telephone, public or private.

##### 2. Technical and Professional Personnel

###### a. Health Physics

(1) Coordinator - 1

(2) ALARA Planning/Engineering - 8

For HP Organization: (a) D. T. Parsons  
(b) 1 Vendor supplied engineer/  
professional

For Oconee: (a) D. Davidson  
(b) H. Smith  
(c) W. Stengel  
(d) J. Ferguson  
(e) R. Cole  
(f) 2 Vendor supplied engineer/  
professionals

For McGuire: (a) J. Ferguson  
(b) D. Davidson  
(c) H. Smith  
(d) R. Cole  
(e) G. Rawn  
(f) 2 Vendor supplies engineers/  
professionals

(3) Dosimetry Service - 9

- (a) 1 Technician Ocone or McGuire supplied
- (b) 3 Clerks Ocone or McGuire supplied
- (c) 2 Clerks Vendor supplied

(4) Training and Respiratory Fitting - 3

- (a) 3 Technicians Ocone or McGuire supplied

(5) Instrument Calibration (long term) - 2

- (a) 2 Technicians Ocone or McGuire supplied.

b. Radwaste

(1) Coordinator - 1

(2) Planning/Engineering - 3

For Ocone (a) D. L. Vaught  
(b) M. G. Case  
(c) M. S. Terrell

For McGuire (a) D. L. Vaught  
(b) M. S. Terrell  
(c) B. Wood

(3) Offsite Releases - 2

- (a) J. M. Stewart
- (b) H. J. Dameron
- (c) K. Jones

(4) Vendor Interfaces - 1

- (a) Vendor Representative

(5) Shipping/Receiving - 4

- (a) M. G. Kriss
- (b) C. F. Lan
- (c) 2 Technicians Ocone or McGuire supplied



c. Chemistry

(1) Coordinator - 1

(2) Sample Collection - 10

(a) 10 Technicians Ocone or McGuire supplied

(b) 5 alternates: P. W. Downing  
C. L. Hathcock  
W. M. Funderburke  
S. Biswas  
T. P. Lee

(3) Data Evaluation - 3

(a) W. R. McCollum  
(b) W. H. Rasin  
(c) 1 Westinghouse representative for McGuire  
(d) 1 B&W representative for Ocone

(4) Special Projects - 5

(a) W. M. Funderburke  
(b) C. L. Hathcock  
(c) J. C. Morcock  
(d) P. W. Downing  
(e) S. Biswas  
(f) T. P. Lee

3. Equipment and Supplies

- a. Computer input/output capability including dedicated phone lines
- b. Calculators - batteries, chargers
- c. Stationery Supplies
- d. Recorders - extra tapes, batteries, chargers
- e. Floor plans of station - projected radiation levels  
electrical outlets  
breathing air header outlets  
instrument air header outlets  
demineralized water outlets  
sampling locations  
radiation monitor location  
high radiation area doors
- f. Flow Diagrams of Processing Capabilities including storage capacity

- g. System Descriptions for waste and ventilation systems
  - h. Technical Specifications and 10CFR, 49CFR, State Reg.
  - i. Elevator Capacities and Floor Loading
  - j. Station Organization Charts - names and phone numbers
  - k. Emergency mobile counting capabilities
  - l. Lists of vendor/utility contacts for services, equipment and supplies
4. HP/Radwaste Emergency Kits

HP/Radwaste Emergency Kits are located in Room 2314 of Wachovia Center. Should the near-site CMC be activated, these kits will be delivered to the CMC by the Administration and Logistics Group. Contact personnel will be R. B. Baker and C. F. Lan in HP/Radwaste and S. M. Kessler in Administration and Logistics.

V. LONG RANGE RECOVERY FUNCTIONS

As described in Table M-1 of the Crisis Management Plan, the Radiological Support group plays a vital role in recovery from a major incident.

The group responsibilities during recovery be will in:

- a. Direct chemistry and radiochemistry support
- b. Coordinate sample analysis
- c. Implement radiological work control checklists
- d. Assure regulatory compliance in radwaste storage
- e. Radwaste reduction
- f. Maintaining budgetary control in these areas.

VI. PROCEDURE REFERENCE

The following procedures are carried out by the referenced coordinators during an incident:

Special Assistance Coordinator

- 5.3.12 - "Initial and Followup Emergency Messages - Oconee"
- 5.3.13 - "Initial and Followup Emergency Messages - McGuire"

Field Monitoring Coordinator

- 5.3.14 "Crisis Management Center Environmental Monitoring For Emergency Conditions Within The Ten Mile Radius of McGuire Nuclear Station"
- 5.3.15 "Crisis Management Procedure - Environmental Monitoring - Oconee Nuclear Station"

Dose Assessment Coordinator

Oconee Procedures: HP/O/B/1009/10  
HP/O/B/1009/11  
HP/O/B/1009/14  
HP/O/B/1009/15

McGuire Procedures: HP/O/B/1009/02  
HP/O/B/1009/06  
HP/O/B/1009/08  
HP/O/B/1009/09  
HP/O/B/1009/10

TABLE 1  
RADIOLOGICAL SUPPORT GROUP

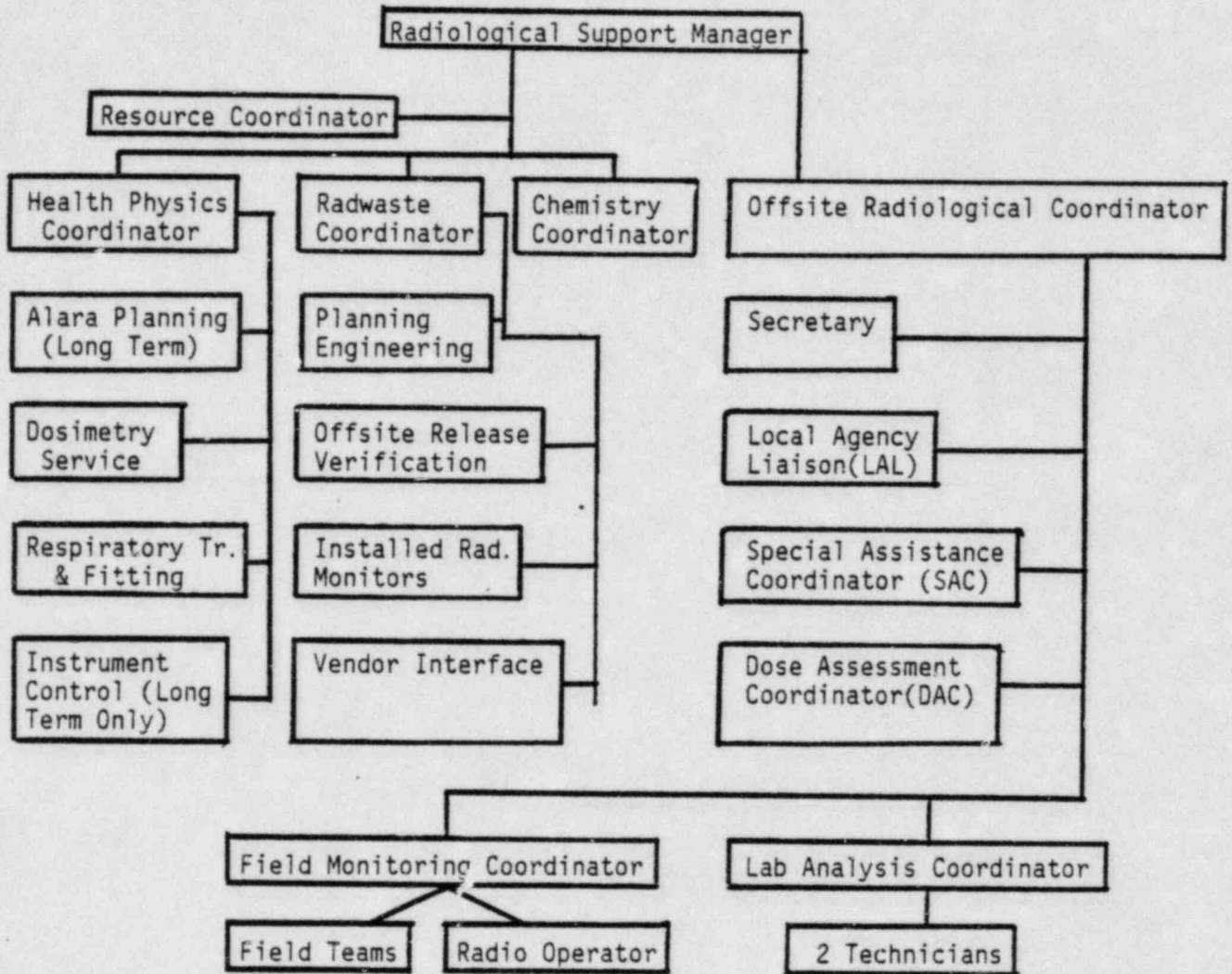


TABLE 2

RADIOLOGICAL SUPPORT GROUP PERSONNEL

<u>Position</u>	<u>Name</u>	<u>Business Phone</u>	<u>Home Phone</u>
Manager	W. A. Haller		
	R. C. Futrell		
	L. Lewis		
	R. T. Simril		
	J. E. Cole		
Resource Coordinator	J. I. Wyant		
	R. B. Baker		
	J. C. Wimbish		
	J. B. Sigmon		
Health Physics Coordinator	C. L. Thames		
	D. T. Parsons		
	J. G. Weinbaum		
	R. L. Clemmer		
Radwaste Coordinator	M. L. Birch		
	D. L. Vaught		
	R. M. Propst		
	W. Neuman		
	H. J. Dameron		
	M. S. Terrell		
	C. F. Lan		
	J. M. Stewart		
Chemistry Coordinator	R. W. Eaker		
	S. Biswas		

TABLE 2 (cont'd)

RADIOLOGICAL SUPPORT GROUP PERSONNEL

<u>Position</u>	<u>Name</u>	<u>Business Phone</u>	<u>Home Phone</u>
Chemistry Coordinator (cont.)	P. W. Downing		
	W. M. Funderburke		
	R. H. Charest		
Off-Site Radiological Coordinator			
Primary:	L. Lewis (All)		
Alternates:	W. P. Deal (MNS or ONS)		
	M. S. Tuckman (MNS or ONS)		
	C. T. Yongue (MNS or CNS)		
	T. J. Keane (ONS or CNS)		
Field Monitoring Coordinator			
Primary:	J. J. Sevic (Oconee)		
	J. R. Leonard (McGuire)		
	C. V. Wray (Catawba)		
Alternates:	C. V. Wray (ONS or MNS)		
	J. R. Leonard (ONS or CNS)		
	J. J. Sevic (MNS or CNS)		
Laboratory Analyses Coordinator			
Primary:	J. S. Isaacson (All)		

TABLE 2 (cont'd)

RADIOLOGICAL SUPPORT GROUP PERSONNEL

<u>Position</u>	<u>Name</u>	<u>Business Phone</u>	<u>Home Phone</u>
Alternates:	G. T. Mode (ONS or MNS)		
	W. F. Byrum (ONS or CNS)		
Technicians:	B. A. Broadway (All)		
	C. W. Kinsey (All)		
Dose Assessment Coordinator			
Primary:	R. E. Sorber (All)		
Alternates:	D. J. Berkshire (MNS or CNS)		
	H. D. Brewer (All)		
	G. L. Courtney (MNS or ONS)		
	S. A. Coy (MNS or CNS)		
	C. L. Harlin (MNS or CNS)		
	F. G. Hudson (All)		
	R. D. Kinard (MNS or ONS)		
	W. B. McRae (ONS or CNS)		
	C. C. Mauney (ONS or CNS)		
P. N. McNamara (ONS or MNS)			

NOTE: Each shift requires 3 dose assessment staff members.



TABLE 2 (cont'd)

RADIOLOGICAL SUPPORT GROUP PERSONNEL

<u>Position</u>	<u>Name</u>	<u>Business Phone</u>	<u>Home Phone</u>
Consultants:	S. T. Apple (All)		
	M. A. Casper (All)		
Special Assistance Coordinator			
	J. W. Cox (ONS or MNS)		
	M. Sample (ONS or CNS)		
	F. N. Mack (ONS or MNS)		
	E. Estep (ONS or CNS)		
	R. T. Bond (MNS or CNS)		
Radio Operator			
Primary:	D. E. Sexton (ONS or MNS)		
	S. E. Foreman (ONS or CNS)		
Alternates:	P. W. Sturgis (ONS or MNS)		
	F. D. Theriault (ONS or MNS)		
	G. Sain (MNS or CNS)		
	J. Head (MNS or CNS)		
	S. E. LeRoy (ONS or CNS)		

TABLE 2 (cont'd)

RADIOLOGICAL SUPPORT GROUP PERSONNEL

<u>Position</u>	<u>Name</u>	<u>Business Phone</u>	<u>Home Phone</u>
-----------------	-------------	-----------------------	-------------------

G. M. Harrison  
(ONS or CNS)

Local Agency Liaison

Primary: R. N. Casler  
(A11)

Alternates: C. A. Majure  
(A11)

R. E. Harris  
(A11)

D. Patterson  
(A11)

SERT (State Emergency Response Team)

Civil Air Patrol (111th Air Rescue Squad)

Lt. Eric Karnes  
Lt. Eric Karnes (ALERT-BEEPER)

Airport

WATS Operator

REACTS

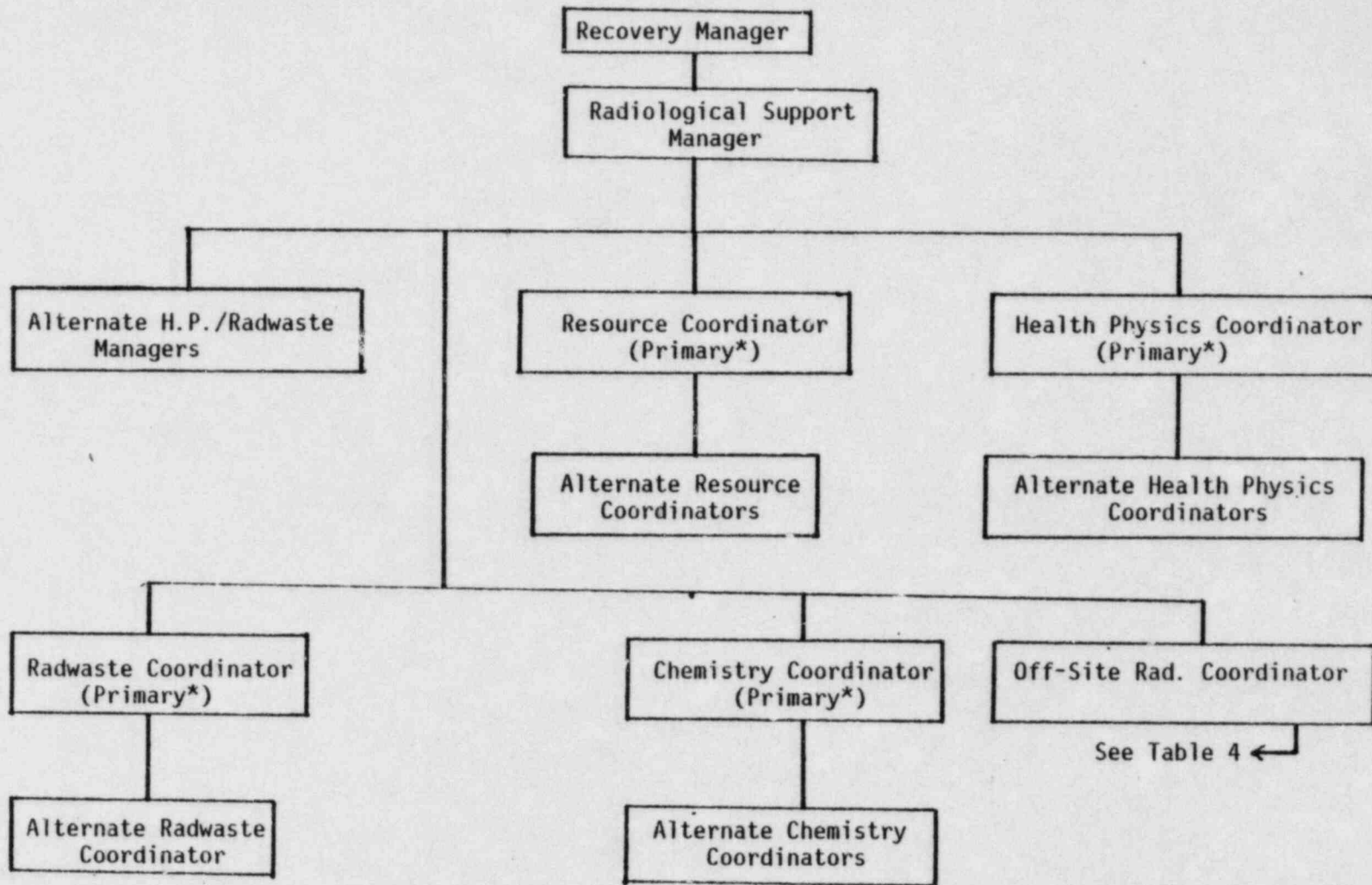
Karl Hubner

To obtain helicopter(s) for emergency service contact:

1. D. M. Staggs
2. L. W. Johnson
3. L. M. Whisonant
4. B. A. Turpin

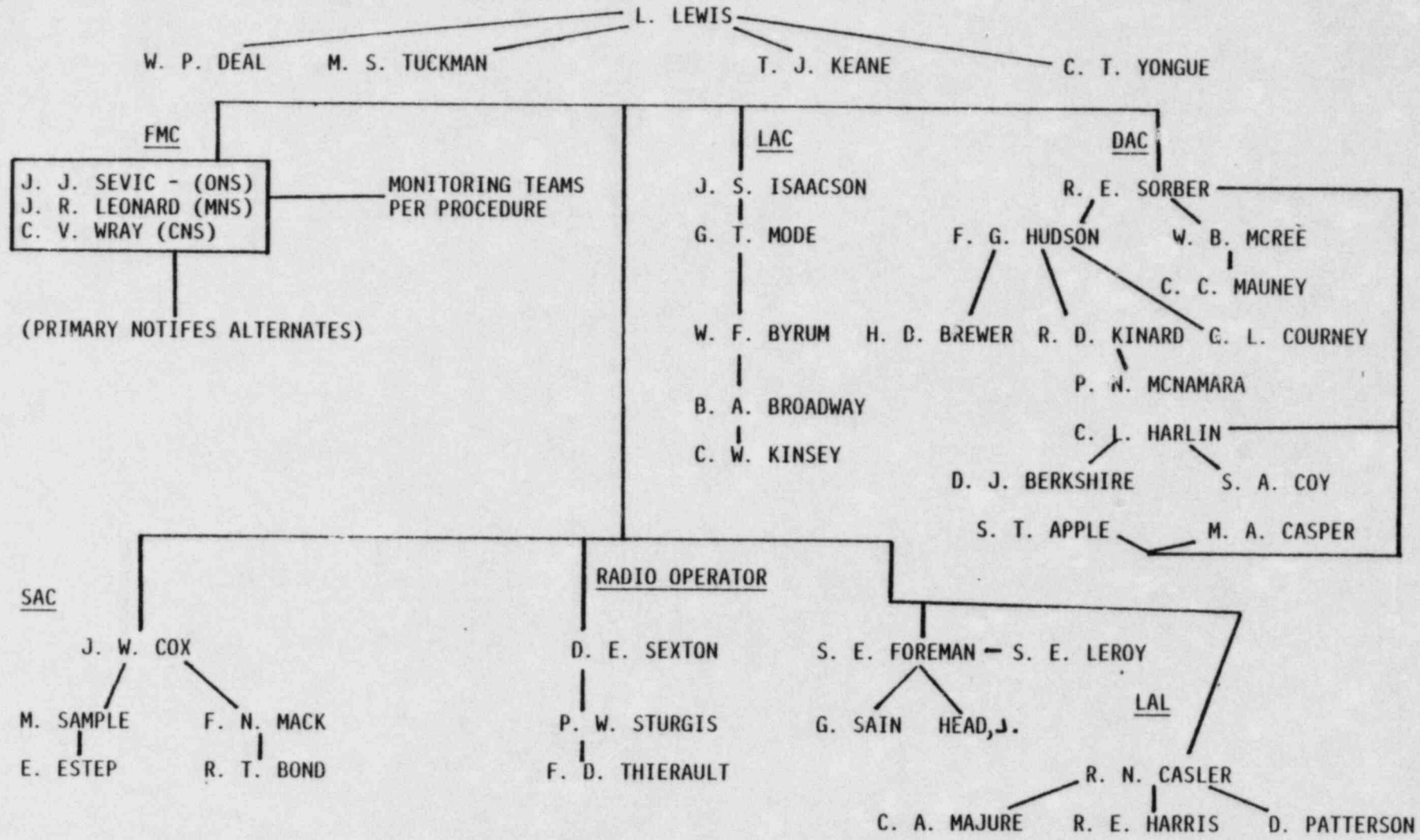
These contacts are in Duke Power Company Transmission Department, Line Division.

TABLE 3 - H.P./RADWASTE/CHEMISTRY "CALL TREE"



\*The Health Physics/Radwaste Manager will attempt to contact the primary Coordinators, who will then contact the alternates for their position. If the primary coordinators cannot be reached, the Health Physics/Radwaste Manager will contact all of the alternates in that area.

TABLE 4 OFF-SITE RADIOLOGICAL COORDINATOR "CALL TREE"



DUKE POWER COMPANY CRISIS MANAGEMENT PLAN OFFSITE DOSE REPORT

Report prepared by: \_\_\_\_\_ Date/Time Report Prepared \_\_\_\_\_ / \_\_\_\_\_

Metecrology

Wind Speed \_\_\_\_\_ mph Wind Direction (from) \_\_\_\_\_ \* (ONS) River Wind Direction (from) \_\_\_\_\_ \*

Vertical Temp. Diff. \_\_\_\_\_ °F/120 ft (ONS) \_\_\_\_\_ °C/100 ft (MNS) Plume  $\pm$  Direction(s) \_\_\_\_\_ \*

Stability Class (Circle): A B C D E F Precipitation \_\_\_\_\_ Temperature \_\_\_\_\_

Source Term Time Gross Meas./Noble Gas Iodine  
 Cont. Rad. Monitor \_\_\_\_\_ R/hr  
 Cont. Sample \_\_\_\_\_ uCi/ml  $\bar{E}$  \_\_\_\_\_ MeV/Dis. \_\_\_\_\_ uCi/ml I-131 eq.  
 Unit Vent \_\_\_\_\_ uCi/ml  $\bar{E}$  \_\_\_\_\_ MeV/Dis. \_\_\_\_\_ uCi/ml I-131 eq. \_\_\_\_\_ flow rate cfm  
 Other \_\_\_\_\_

Dose Projections

	Site Boundary	2 mi	5 mi	10 mi
Projected 2 hr. dose (rem) based upon Design Leak Rate	W.B. _____ Child Thyroid _____	_____	_____	_____
Calculated 2 hr. dose (rem) based upon unit vent release	W.B. _____ Child Thyroid _____	_____	_____	_____
Max. 2 hr. dose (rem) with Containment Failure	W.B. _____ Child Thyroid _____	_____	_____	_____
Other (Specify) _____	W.B. _____ Child Thyroid _____	_____	_____	_____

FIELD MONITORING DATA

Points monitored since last update:

Point	Distance	Direction	2-Hour Dose Commitment (rem)		Surface Contamination dpm/100 cm <sup>2</sup>	Point	Distance	Direction	2-Hour Dose Commitment (rem)		Surface Contamination dpm/100 cm <sup>2</sup>
			W.B.	Child Thyroid					W.B.	Child Thyroid	
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

Helicopter tracking of plume (comments) \_\_\_\_\_

AFFECTED ZONES: (Check appropriate boxes)

Zone	for ONS for MNS	A1	B1	C1	D1	E1	F1	A2	B2	C2	D2	E2	F2	M	N	O	P	Q	R	S	T	U	V	
		A	B	C	D	E	F	G	H	I	J	K	L											
Potential 2-hr dose exceeds	Child 1.5 Adult 5.25																							
Actual 2-hr dose exceeds	Child 1.5 Adult 5.25																							

Zones potentially affected by plume: \_\_\_\_\_ Time \_\_\_\_\_  
 Zones actually affected by plume: \_\_\_\_\_  
 Zones asked to be evacuated: \_\_\_\_\_  
 Zones actually evacuated: \_\_\_\_\_

Stations/Counties Notified	Time	Messide
_____	_____	_____
_____	_____	_____
_____	_____	_____

Table 5

TABLE 6

CRISIS MANAGEMENT ORGANIZATION (CMO)  
EMERGENCY ACTIVATION MESSAGE

The Nuclear Production Duty Engineer is contacted by the Nuclear Station in an emergency with information as shown in Figure E-4. The Duty Engineer contacts the Recovery Manager with that information. If the CMO is to be activated, the Duty Engineer uses this format to contact at least one person from each group shown in Figure B-12 of the Crisis Management Plan. Each group in the CMO uses this format to alert its members.

\_\_\_\_\_  
Your name \_\_\_\_\_.

Person who contacted you \_\_\_\_\_ Your Group \_\_\_\_\_

Persons you contacted with this message \_\_\_\_\_

\_\_\_\_\_. (If Any)

Message Format

1. This is \_\_\_\_\_ (caller's name).
2. I am notifying you of a drill/actual emergency at \_\_\_\_\_ Nuclear Station, Unit No. \_\_\_\_\_.
3. At this time the class of emergency is: \_\_\_\_\_ Alert; \_\_\_\_\_ Site Area Emergency; \_\_\_\_\_ General Emergency.
4. You are to activate your portion of the Crisis Management Organization and have them report to \_\_\_\_\_ your G.O. staging area; \_\_\_\_\_ the nearsite CMC; \_\_\_\_\_ backup CMC.
5. Specific Instructions (if any) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Please return a copy of this completed format to the Emergency Response Coordinator.

TABLE 7

HEALTH PHYSICS/RADWASTE/CHEMISTRY SECTION GROUP PHONES

Room 2390

(Speaker Phone)

Room 1222

Training & Technology Center  
(McGuire)

(Speaker Phone)

Oconee Training Center

---

OFF-SITE RADIOLOGICAL COORDINATOR SECTION PHONES

WC-2336

Training & Technology Center

or extensions  
off of Training Center  
Switchboard

Oconee Training Center

or ext.  
switchboard

off of station

Crisis Management Plan  
Implementing Plans  
5.3.7 - Technical Support Group

Rev. 5  
Revision Number

February 28, 1983  
Date



## 5.3.7 - Technical Support Group

### Table of Contents

- I. Scope
- II. Functional Responsibility
  - A. Technical Support Manager
  - B. Staff Support
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  - G. Core Physics Coordinator
- III. Technical Support Group Activation
- IV. Emergency Facilities - Equipment and Resources
  - V. Implementation of Facility and Equipment
- VI. Long Range Recovery Functions
- VII. Emergency Conclusion

I. SCOPE

The Technical Support Group provides support to the Recovery Manager in matters relating to maintenance, licensing, core analysis, and systems analysis.

## II. FUNCTIONAL RESPONSIBILITY

### A. TECHNICAL SUPPORT MANAGER

Reports To: Recovery Manager

Supervises: Technical Support Staff functions of System Analysis, Core Physics Support, Licensing Support, Procedures Support and the Data Facility. (See Figure 5)

#### Basic Functions:

He is responsible for analysis and the development of plans and procedures in direct support of Operations personnel with the objective of taking the plant to a safe shutdown condition in a manner which minimizes the effect on the health and safety of the public.

He provides a central facility for the collection, retention, retrieval, and transmitting of plant and local environmental parameters.

#### Primary Responsibilities:

1. Analyze conditions and develop guidance for shift operations personnel on protection of the core.
2. Develop out-of-normal operation and emergency procedures in direct support of shift operations personnel.
3. Provide a central facility for the collection, retention, retrieval, and transmitting of plant and local environmental parameters.
4. Resolve questions concerning licensing requirements with NRC representatives.

#### Principle Working Relationships:

1. Superintendent of Operations regarding implementation of emergency plans and procedures.
2. Emergency Coordinator regarding any plant manipulations that might affect off-site doses.
3. Waste Systems Radiation Control Manager regarding any plant manipulations that might affect in-plant radiation or waste inventory levels.
4. Scheduling and Planning Manager regarding planned and scheduled activities of the Technical Support Group.

B. STAFF SUPPORT

Reports To: Technical Support Manager

Supervises: N/A

Basic Functions:

Planning, scheduling, and directing internal to the Technical Support Group.

Primary Responsibilities:

Planning, scheduling and directing assignments made within the Technical Support Organization as required.

Principle Working Relationships:

1. Technical Support Manager regarding critical technical problem assignments.
2. All Technical Support Group Coordinators/Supervisors regarding planning, scheduling and directing assignments within the Technical Support Group.
3. Scheduling/Planning Manager regarding the scheduling of Emergency Response objectives within the Technical Support Group.

C. TECHNICAL SUPPORT ADMINISTRATIVE SUPERVISOR

Reports To: Technical Support Manager

Supervises: Administrative personnel in the Technical Support Group

Basic Functions:

Supervises the Technical Support Group clerical personnel and coordinates the Technical Support Group needs for work space, communications, office supplies, personnel, office equipment, etc., with the Admin/Log. Group.

Primary Responsibilities:

1. Provides typing, filing, office equipment operation to all areas within the Technical Support Group.
2. Coordinates with the Admin/Log. Group the Technical Support Group needs for skilled support personnel to staff the various Group functions.
3. Coordinates with the Admin/Log. Group the Technical Support Group needs for additional work space, communications, equipment, office supplies, office equipment, etc.

Principle Working Relationships:

1. Technical Support Manager and all Technical Support Coordinators regarding administrative support needs and staffing needs.
2. Admin/Log. Manager regarding filling of the Technical Support Group administrative needs and staffing needs.

D. DATA COORDINATOR

Reports To: Technical Support Manager

Supervises: All Data Facility Personnel

Basic Functions:

Accumulation, retention, retrieval and retransmittal of information needed by the emergency response organization.

Primary Responsibilities:

1. Provide a central facility for the accumulation, retention, and retrieval of plant information and local environmental parameters.
2. Retransmit automatically and by request information needed by the emergency response organization.
3. Serve as a single location for the acquisition of data resulting in minimum interference with plant operations.

Principle Working Relationships:

1. Superintendent of Operations regarding acquisition of needed plant information.
2. Emergency Coordinator regarding acquisition of environmental parameters.
3. All groups requiring information regarding request for transmittal of information.

E. LICENSING SUPPORT COORDINATOR

Reports To: Technical Support Manager

Coordinates: Support personnel providing ALARA review, Plant Operations review and resolution of license requirements with NRC representatives.

Basic Functions:

Resolve questions of FSAR and Technical Specifications commitments, abnormal operating modes and other license requirements with NRC representatives.

Primary Responsibilities:

1. Work with NRC representatives to resolve questions concerning FSAR and Technical Specifications commitments in light of existing plant conditions.
2. Work with NRC representatives to resolve license requirements associated with proposed abnormal operating modes or plant modifications.
3. Function as a member of the Station Review Committee.

Principle Working Relationships:

1. NRC representatives regarding all license requirement areas.
2. Superintendent of Operations and all Technical Support Coordinators regarding out-of-normal operating modes and modifications to the plant.
3. Design and Construction Support Manager regarding modifications to the plant.

F. SYSTEMS ANALYSIS COORDINATOR

Reports To: Technical Support Manager

Coordinates: Support personnel analyzing problems and developing emergency plans in the areas of systems and equipment operations.

Basic Functions:

Analyze problems and develop emergency plans associated with the operation of plant systems and equipment.

Primary Responsibilities:

Analyze problems associated with the operations of plant systems and equipment and develop out-of-normal or emergency plans for how the operations personnel can best contend with the problems.

Principle Working Relationships:

1. Operations Support Coordinator regarding systems and equipment problems that need resolution and required out-of-normal or emergency procedures.
2. Technical Support Manager and Recovery Manager regarding recommendations on how to contend with systems and equipment problems.



G. CORE PHYSICS COORDINATOR

Reports To: Technical Support Manager

Coordinates: Support personnel analyzing core parameters and development guidance for the shift operations personnel on protection of the core.

Basic Functions:

Analyze core parameters and develop guidance for the shift operations personnel on protection of the core.

Primary Responsibilities:

1. Analyze core parameters to determine current conditions of the core.
2. Review proposed plant operations with respect to the effect on core conditions.
3. Develop recommendations for plant operations that would effect safer core conditions.

Principle Working Relationships:

1. Shift Supervisor regarding approved plant operations to affect safer core conditions.
2. Technical Support Manager and Recovery Manager regarding proposed plant operations to affect safer core conditions.
3. NSSS Supplier regarding all activities.

### III. TECHNICAL SUPPORT GROUP ACTIVATION

1. Once it has been determined that an event has degressed to an emergency situation, the Recovery Manager, or his designee, will contact the Technical Support Manager.
2. The Technical Support Manager will relay to the Administrative Supervisor the information that is noted on Figure 1.
3. The appropriate members of the group will be notified (Figure 2) and relayed the information of Figure 1 by the Administrative Supervisor.
4. Activation of the Technical Support Group will be in the Wachovia Center, Room 1704, unless otherwise noted on initial callout.

#### IV. EMERGENCY FACILITIES - EQUIPMENT AND RESOURCES

A. Facilities - The Technical Support Manager is located in the Crisis Management Center, which is located off-site but as close to the station as practical. This center is the headquarters of the Recovery Manager and his staff and from here all emergency and recovery activities will originate. Supporting personnel for the Technical Support Group will be located in Room 1704 of the Wachovia Center in Charlotte, N. C.

#### B. Equipment and Resources

##### 1. Communication

- a. Crisis Management Center - Redundant two-way communications with the Emergency Operation Center, the Control Room, other appropriate off-site agencies and telephone.
- b. Alternate Crisis Management Center - Has some communications capability as described for Crisis Management Center.
- c. Support Group Personnel at Site - Telephone connections with Crisis Management Center and Alternate Crisis Management Center, and with the station.
- d. Personnel at Main Office - Telephone.

##### 2. Equipment and Supplies

- a. Word processing equipment, i.e., typewriters, copy machine, telecopier, portable dictating machines.
- b. System descriptions.
- c. FSAR and Technical Specifications.
- d. Station operating, maintenance and emergency procedures.
- e. Drawings, i.e., P&ID, EE, general arrangement.
- f. Organization charts for the station and general office.

##### 3. Personnel Resources

In addition to the primary and alternate members of the Technical Support Group, support personnel will be required depending on the accident situation. At least four secretaries/clerks will be needed for typing, making copies, etc. Two or three data runners will also be needed.

V. IMPLEMENTATION OF FACILITY AND EQUIPMENT

1. Figure 4 provides a checklist of equipment and resources to be used while the Technical Support Group is activated.
2. To establish prompt, accurate telephone communications with the other members of the Crisis Management functions; obtain two phones per checklist (Figure 4). The phones are to be plugged in Room 1704 by matching numbers on the phone with the number on the wall.
3. Additional equipment may be procured through the Administrative Supervisor.
4. Functional responsibilities for each unit in the Technical Support Group is supplied in the Crisis Management Plan and in Part II of the Technical Support Group Plan.

VI. LONG-RANGE RECOVERY FUNCTIONS

1. As an event moves into a long-range recovery, appropriate work schedules will be developed, and individuals notified.
2. Figure 3 identifies supplementary telephone numbers and contacts for services.
3. Arrangements for food and services needed for long-range recovery will be handled as the need arises.

VII. EMERGENCY CONCLUSION

- A. As the plant is brought to a stable condition and it has been determined the Technical Support Group is no longer needed, the Technical Support Manager may then deactivate the group. Notifications of other groups in the Crisis Management Plan will be made as warranted.
- B. The Administrative Supervisor will assure the equipment used will be returned to its designated area.

Figure 1

Crisis Management Organization (CMO)  
Emergency Activation Message

The Nuclear Production Duty Engineer is contacted by the Nuclear Station in an emergency with information as shown in Figure E-4. The Duty Engineer contacts the Recovery Manager with that information. If the CMO is to be activated, the Duty Engineer uses this format to contact at least one person from each group shown in Figure B-12 of the Crisis Management Plan. Each group in the CMO uses this format to alert its members.

---

---

Your name \_\_\_\_\_  
Person who contacted you \_\_\_\_\_ Your Group \_\_\_\_\_  
Persons you contacted with this message \_\_\_\_\_  
\_\_\_\_\_ (If Any)

Message Format

1. This is \_\_\_\_\_ (caller's name).
2. I am notifying you of a drill/actual emergency at \_\_\_\_\_ Nuclear Station, Unit No. \_\_\_\_\_.
3. At this time the class of emergency is: \_\_\_\_\_ Alert; \_\_\_\_\_ Site Area Emergency; \_\_\_\_\_ General Emergency.
4. You are to activate your portion of the Crisis Management Organization and have them report to \_\_\_\_\_ your G.O. staging area; \_\_\_\_\_ the nearsite CMC; \_\_\_\_\_ backup CMC.
5. Specific Instructions (if any) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Please return a copy of this completed format to the Emergency Response Coordinator.

Figure 2

TECHNICAL SUPPORT GROUP  
Telephone List

<u>Position</u>	<u>Name</u>	<u>Office</u>	<u>Home</u>
Manager	K. S. Canady		
	R. M. Koehler		
	H. T. Snead		
Administrative Supervisor	J. W. Simmons		
	J. A. Reavis		
Data Facility Supervisor	R. C. Pacetti		
	G. C. Rogers		
	M. F. Simpson		
	W. B. Davis		
Licensing Support Coordinator	N. A. Rutherford		
	R. L. Gill (Oconee)		
	G. A. Copp (McGuire)		
	R. O. Sharpe (Catawba)		
System Analysis Coordinator	P. M. Abraham		
	S. D. Alexander		
	D. L. Canup (McGuire)		
	R. M. Gribble		
	R. L. Weber		
Core Physics Coordinator	R. H. Clark		
	L. H. Flores		
	J. H. Randles		
	G. P. Horne		
	R. P. Wood		
	J. L. Eller		
Staff Support	R. D. Groux		



Figure 2

TECHNICAL SUPPORT GROUP  
Telephone List

<u>Position</u>	<u>Name</u>	<u>Office</u>
Technical Support Group Emergency Phones (WC-1704)		
HP Radwaste (WC-2390)		
Design Construction (EC3-32)		
Recovery Manager (WC-1222)		
Scheduling/Planning (WC-1222)		
Offsite Radiological Coordinator		

Figure 3

LONG RANGE RECOVERY SUPPORT

Data Coordinator

R. David Deese  
J. W. Zweig  
Sarah Lee

Office

Home

System Analysis

G. B. Swindlehurst  
Bob Breen (NSAC)  
Fred Burke (B&W)  
R. S. Hubbard (W)

Licensing

I. Ratsep (W)  
F. Burke (B&W)

Figure 4

TECHNICAL SUPPORT GROUP  
Equipment Location Checklist

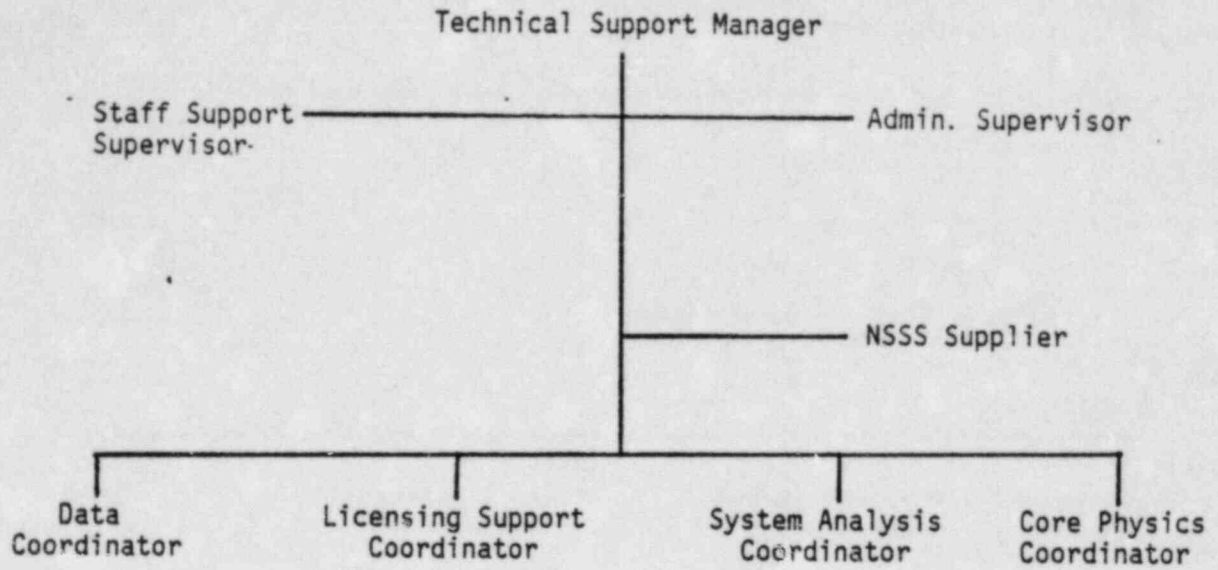
	<u>Oconee</u>	<u>McGuire</u>	<u>Catawba</u>
_____ FSAR	Room 1703	Room 1785	Room 1787
_____ Technical Specification	Room 1703	Room 1785	Room 1787
_____ P. O. Drawing	Room 1780	Room 1780	Room 1780
_____ Station Directives	Room 1725	Room 1725	Room 1725
_____ Station Organization	Room 1725	Room 1725	Room 1725
_____ Electrical Elementary	Room 1780	Room 1780	Room 1780
_____ Instrument Detail			
_____ Steam Table	Room 1780	Room 1780	Room 1780
_____ System Description	Room 1780	Room 1780	Room 1780
_____ Emergency Phones	Room 1727	Room 1727	Room 1727
_____ Computer Terminals	Room 1778	Room 1778	Room 1778
_____ Stationery Supplies	Room 1782, Plus Storeroom on 15th Floor		
_____ Copy Room	Room 1782, Print Shop, Reproduction		

Items on this list are identified in each room by a tag attached to each item or drawer where it is stored.

Location Checklist

Health Physics	Wachovia Center	Room 2390
Design and Construction	Electric Center	Room 3-32
Administration and Logistics	Wachovia Center	Room 1514
Offsite Radiological Coordinator	Wachovia Center	Room 2336
Recovery Manager	Wachovia Center	Room 1680

Figure 5



DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN  
IMPLEMENTING PROCEDURE 5.3.9  
PROCEDURE FOR DISTRIBUTION OF DATA AND INFORMATION

Crisis Management Plan  
Implementing Procedure 5.3.9

Procedure For Transmitting and Distributing Data and Information

1.0 PURPOSE

This procedure addresses the production and transmission of reports, information and/or recommendations between individuals involved in Crisis Management activities.

2.0 REFERENCES

2.1 Crisis Management Plan

2.2 Crisis Management Plan - Implementing Plans

3.0 DOCUMENTS - DATA TRANSMITTAL

The following reports have been produced to facilitate the transmittal of data between groups involved in Crisis Management activities.

3.1 Plant Data and Status Information (Figures I-1, I-2, and I-15)

Figures I-1, I-2, and I-15 are to be utilized to transmit operating data and status information from station operations to the Crisis Management team. Forms for each station are attached. (See Figure I-1 for Oconee Nuclear Station, Figure I-2 for McGuire Nuclear Station and Figure I-15 for Catawba Nuclear Station).

This report is transmitted from the station to the Technical Support Group at nominal intervals of one half hour. This interval may be increased or decreased as circumstances dictate. A request for a change in interval will be through the Emergency Coordinator/Recovery Manager contact.

The Technical Support Group will be responsible for transmitting copies of the data sheets to each group or individual on the distribution list shown in Figure I-3.

3.2 Radiological Data Sheet (Figure I-4)

This data sheet is to be utilized to transmit radiological data and recommendations from the CMC Offsite Radiological Support Group (ORSG) to the Recovery Manager. The ORSG will obtain necessary data from the Technical Support Group and originate and distribute the Radiological Data Sheet. A generic form for all stations is attached. (See Figure I-4)

The Recovery Manager may request periodic distribution/development of this Data Sheet depending upon plant conditions.

The ORSG shall be responsible for transmitting copies of the data sheets to each group on the distribution list shown in Figure I-3.

### 3.3 Other Reports

In the event data necessary to the analysis of a particular situation is not included in formal data sheets, the Station will produce appropriate data sheets utilizing the form provided in Figure I-5. The data sheets may be handwritten but should be consistent in the data transmitted and the format utilized.

This data sheet should also be transmitted to the Technical Support Group. Caution should be taken to assure the following:

- a) Estimates or unconfirmed data should be labeled as such.
- b) Gaps in the transmittal of certain pieces of data should be explained i.e., note that data is not available, unchanged or no longer necessary.
- c) Data sheets should be signed by originator.

In the event that a group participating in Crisis Management planning requires additional data from the station, that group shall, with the consent of the Recovery Manager, request of the Technical Support Group that the necessary information be transmitted on Figure I-5. The Technical Support Group will facilitate the data transfer.

## 4.0 DOCUMENTS-MESSAGES/RECOMMENDATIONS

Figure I-6 provides a memorandum sheet which should be utilized for messages between groups. This will provide documentation on situation review/analysis.

## 5.0 DOCUMENTS-RECOVERY ACTIVITIES

The following documents have been prepared to facilitate communications between crisis management groups involved in activities after termination of the emergency condition.

### 5.1 Work Activity Job Requirement Requests

This form should be utilized to request scheduling of work activities. Each Crisis Management Group which is assigned lead responsibility for a particular work activity should fill out this form and submit to the Scheduling and Planning Group. The work activity will then be placed into the Crisis Management work schedule. See Figure I-7.

### 5.2 Performance Monitor Work Activity Status Report

This report should be utilized to update the status of work activities. The report should be filled out and submitted to the

Scheduling and Planning Group at least once daily by a designated individual in the Crisis Management Group with lead responsibility for the work activity. See Figure I-8.

### 5.3 Work Schedules

Figure I-9, I-10, and I-11 are examples of the work schedules which shall be provided by the Scheduling and Planning Group to the Recovery Manager. A daily, two day and long term work schedule shall be utilized as needed. The Scheduling and Planning Group shall be responsible for distributing these schedules to the groups listed on the distribution list. See Figure I-3.

### 5.4 Project Milestones and Progress Report

These two reports, Figures I-12 and I-13 shall be utilized by the Scheduling and Planning Group to report the overall status and progress of the work activities necessary to mitigate and recover from the emergency situation. These reports shall be submitted to the Recovery Manager on a daily basis at minimum. The Scheduling and Planning Group shall be responsible for distributing these reports to the groups listed in Figure I-3.

## 6.0 DOCUMENTS-SHIFT MANNING

Figure I-14 shall be utilized by each group to report to the Scheduling and Planning Group the provisions made for manning the crisis management groups on a 24-hour basis. The report should be submitted on a daily basis.



UNIT \_\_\_\_\_  
PLANT STATUS \_\_\_\_\_

OCONEE NUCLEAR STATION  
PLANT DATA AND STATUS  
INFORMATION  
Figure I-1

Page \_\_\_\_\_  
Date \_\_\_\_\_  
Time \_\_\_\_\_

A. PRIMARY COOLANT SYSTEM

- 1. (Point ID) T/Hot - Loop A \_\_\_\_\_ °F
- 2. (Point ID) T/Hot - Loop B \_\_\_\_\_ °F
- 3. (Point ID) T/Cold - Loop A1 \_\_\_\_\_ °F
- 4. (Point ID) T/Cold - Loop A2 \_\_\_\_\_ °F
- 5. (Point ID) T/Cold - Loop B1 \_\_\_\_\_ °F
- 6. (Point ID) T/Cold - Loop B2 \_\_\_\_\_ °F
- 7. (Point ID) RC System Press. \_\_\_\_\_ PSIG
- 8. (Point ID) Pzr. Water Level \_\_\_\_\_ In. H<sub>2</sub>O
- 9. (Point ID) Latest Boron Conc. \_\_\_\_\_ PPM
- 10. (Point ID) Neutron Flux (SR) \_\_\_\_\_ CPS
- 11. (Point ID) Neutron Flux (IR) \_\_\_\_\_ E-6 Amps
- 12. (Point ID) Neutron Flux (PR) \_\_\_\_\_ %FP
- 13. (Point ID) RCP/A1 Status: \_\_\_\_\_
- 14. (Point ID) RCP/A2 Status: \_\_\_\_\_
- 15. (Point ID) RCP/B1 Status: \_\_\_\_\_
- 16. (Point ID) RCP/B2 Status: \_\_\_\_\_

B. SECONDARY COOLANT SYSTEM

- 1. (Point ID) SG/A Level \_\_\_\_\_ In. H<sub>2</sub>O
- 2. (Point ID) SG/B Level \_\_\_\_\_ In. H<sub>2</sub>O
- 3. (Point ID) SG/A Press. \_\_\_\_\_ PSIG
- 4. (Point ID) SG/B Press. \_\_\_\_\_ PSIG
- 5. (Point ID) Main FW Flow \_\_\_\_\_ KLB/HR
- 6. (Point ID) SG/A Emer FW Flow \_\_\_\_\_ GPM
- 7. (Point ID) SG/B Emer FW Flow \_\_\_\_\_ GPM
- 8. (Point ID) Upper Surge T Lev \_\_\_\_\_ FT. H<sub>2</sub>O

C. AUXILIARY SYSTEMS

- 1. (Point ID) HPI Letdown Flow \_\_\_\_\_ GPM
- 2. (Point ID) HPI Makeup Flow \_\_\_\_\_ #/HR

D. SAFETY INJECTION

- 1. (Point ID) HPI Loop A Flow \_\_\_\_\_ GPM
- 2. (Point ID) HPI Loop B Flow \_\_\_\_\_ GPM
- 3. (Point ID) LPI Loop A Flow \_\_\_\_\_ GPM

D. continued . . .

- 4. (Point ID) LPI Loop B Flow \_\_\_\_\_ GPM
- 5. (Point ID) LPI Pump A Status: \_\_\_\_\_
- 6. (Point ID) LPI Pump B Status: \_\_\_\_\_
- 7. (Point ID) LPI Pump C Status: \_\_\_\_\_
- 8. (Point ID) HPI Pump A Status: \_\_\_\_\_
- 9. (Point ID) HPI Pump B Status: \_\_\_\_\_
- 10. (Point ID) HPI Pump C Status: \_\_\_\_\_

E. CONTAINMENT SYSTEMS

- 1. (Point ID) Containment Press. \_\_\_\_\_ PSIG
- 2. (Point ID) Containment Temp. \_\_\_\_\_ °F
- 3. (Point ID) Containment Emer Sump Level \_\_\_\_\_ FT
- 4. (Point ID) Containment H<sub>2</sub> Concen. \_\_\_\_\_ %
- 5. (Point ID) RB Normal Sump Level \_\_\_\_\_ In. H<sub>2</sub>O

F. RADIATION MONITORING SYSTEM

- 1. (Point ID) SG/A RIA 16-Gross Activity \_\_\_\_\_ MR/HR
- 2. (Point ID) SG/B RIA 17-Gross Activity \_\_\_\_\_ MR/HR
- 3. (Point ID) RIA-40 CSAE Monitor \_\_\_\_\_ CPM
- 4. (Point ID) RIA-44 Vent Iodine \_\_\_\_\_ CPM
- 5. (Point ID) RIA-45 LR Vent Noble Gas \_\_\_\_\_ CPM
- 6. (Point ID) RIA-46 HR Vent Noble Gas \_\_\_\_\_ CPM
- 7. (Point ID) RIA-56 Vent Noble Gas \_\_\_\_\_ MR/HR
- 8. (Point ID) RIA-4 Cont HR Area \_\_\_\_\_ MR/HR
- 9. (Point ID) RIA-57 Cont HR \_\_\_\_\_ R/HR
- 10. (Point ID) RIA-58 Cont HR \_\_\_\_\_ R/HR

G. ENVIRONMENTAL SYSTEMS

- 1. (Point ID) Upper Wind Speed \_\_\_\_\_ MPH
- 2. (Point ID) Lower Wind Speed \_\_\_\_\_ MPH
- 3. (Point ID) Upper Wind Direction from \_\_\_\_\_ DEG
- 4. (Point ID) Lower Wind Direction from \_\_\_\_\_ DEG
- 5. (Point ID) Delta Temp \_\_\_\_\_ °F
- 6. (Point ID) Dew Point \_\_\_\_\_ °F
- 7. (Point ID) Ambient Temp. \_\_\_\_\_ °F
- 8. (Point ID) Precipitation \_\_\_\_\_ IN

UNIT \_\_\_\_\_  
PLANT STATUS \_\_\_\_\_

OCONEE NUCLEAR STATION  
PLANT DATA AND STATUS  
INFORMATION  
Figure I-2

Page \_\_\_\_\_  
Date \_\_\_\_\_  
Time \_\_\_\_\_

A. PRIMARY COOLANT SYSTEM

- 1. (Point ID) T/Hot - Loop A \_\_\_\_\_ °F
- 2. (Point ID) T/Hot - Loop B \_\_\_\_\_ °F
- 3. (Point ID) T/Hot - Loop C \_\_\_\_\_ °F
- 4. (Point ID) T/Hot - Loop D \_\_\_\_\_ °F
- 5. (Point ID) T/Cold - Loop A \_\_\_\_\_ °F
- 6. (Point ID) T/Cold - Loop B \_\_\_\_\_ °F
- 7. (Point ID) T/Cold - Loop C \_\_\_\_\_ °F
- 8. (Point ID) T/Cold - Loop D \_\_\_\_\_ °F
- 9. (Point ID) NC System Press. \_\_\_\_\_ PSIG
- 10. (Point ID) Pzr. Water Level \_\_\_\_\_ %
- 11. (Point ID) NCP/A Status: \_\_\_\_\_
- 12. (Point ID) NCP/B Status: \_\_\_\_\_
- 13. (Point ID) NCP/C Status: \_\_\_\_\_
- 14. (Point ID) NCP/D Status: \_\_\_\_\_
- 15. (Point ID) Boron Concentration \_\_\_\_\_ PPM
- 16. (Point ID) Neutron Flux (SR) \_\_\_\_\_ CPS
- 17. (Point ID) Neutron Flux (IR) \_\_\_\_\_ mA
- 18. (Point ID) Neutron Flux (PR) \_\_\_\_\_ %FP

B. SECONDARY COOLANT SYSTEM

- 1. (Point ID) SG/A Level \_\_\_\_\_ %
- 2. (Point ID) SG/B Level \_\_\_\_\_ %
- 3. (Point ID) SG/C Level \_\_\_\_\_ %
- 4. (Point ID) SG/D Level \_\_\_\_\_ %
- 5. (Point ID) SG/A Steam Press. \_\_\_\_\_ PSIG
- 6. (Point ID) SG/B Steam Press. \_\_\_\_\_ PSIG
- 7. (Point ID) SG/C Steam Press. \_\_\_\_\_ PSIG
- 8. (Point ID) SG/D Steam Press. \_\_\_\_\_ PSIG
- 9. (Point ID) SG/A CF Flow \_\_\_\_\_ MPPH
- 10. (Point ID) SG/B CF Flow \_\_\_\_\_ MPPH
- 11. (Point ID) SG/C CF Flow \_\_\_\_\_ MPPH
- 12. (Point ID) SG/D CF Flow \_\_\_\_\_ MPPH
- 13. (Point ID) SG/A CA Flow \_\_\_\_\_ MPPH
- 14. (Point ID) SG/B CA Flow \_\_\_\_\_ MPPH
- 15. (Point ID) SG/C CA Flow \_\_\_\_\_ MPPH
- 16. (Point ID) SG/D CA Flow \_\_\_\_\_ MPPH

C. AUXILIARY SYSTEMS

- 1. (Point ID) NV Letdown Flow \_\_\_\_\_ GPM
- 2. (Point ID) NV Charging Flow \_\_\_\_\_ GPM
- 3. (Point ID) ND Return Flow \_\_\_\_\_ GPM

D. SAFETY INJECTION SYSTEM

- 1. (Point ID) CCP Inj. Hdr. Flow \_\_\_\_\_ GPM
- 2. (Point ID) CCP/A Status: \_\_\_\_\_
- 3. (Point ID) CCP/B Status: \_\_\_\_\_
- 4. (Point ID) NI Pump A Status: \_\_\_\_\_
- 5. (Point ID) NI Pump B Status: \_\_\_\_\_

E. CONTAINMENT SYSTEMS

- 1. (Point ID) Containment Press \_\_\_\_\_ PSIG
- 2. (Point ID) Containment Temp \_\_\_\_\_ °F
- 3. (Point ID) Containment Sump Level \_\_\_\_\_ FT
- 4. (Point ID) Containment H<sub>2</sub> Concen. \_\_\_\_\_ %

F. RADIATION MONITORING SYSTEMS

- 1. (Point ID) NCS Monitor \_\_\_\_\_ CPM
- 2. (Point ID) Cont. HI Range Area \_\_\_\_\_ R/HR
- 3. (Point ID) Cont. Gas Monitor \_\_\_\_\_ CPM
- 4. (Point ID) Unit Vent Noble Gas \_\_\_\_\_ CPM
- 5. (Point ID) Unit Vent Iodine \_\_\_\_\_ CPM

G. ENVIRONMENTAL SYSTEMS

- 1. (Point ID) Upper Wind Speed \_\_\_\_\_ MPH
- 2. (Point ID) Lower Wind Speed \_\_\_\_\_ MPH
- 3. (Point ID) Upper Wind Direction From \_\_\_\_\_ DEG
- 4. (Point ID) Lower Wind Direction From \_\_\_\_\_ DEG
- 5. (Point ID) Barometric Pressure \_\_\_\_\_ IN HG
- 6. (Point ID) Lower to Upper Temp. Diff. \_\_\_\_\_ °C
- 7. (Point ID) Lower to Middle Temp. Diff. \_\_\_\_\_ °C
- 8. (Point ID) Switchyard Ambient Air Temp. \_\_\_\_\_ °C

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

FIGURE I-3

Plant Data and Status Information/  
Other Operating Reports/Radiological Data Sheet

Distribution List

Recovery Manager  
Crisis News Director  
Crisis News Monitor  
Administration and Logistics Manager  
NRC - Primary Representatives  
Vendor - Primary Representative  
Scheduling and Planning Group - Planning Coordinator  
Design and Construction Support Manager  
Health Physics/Radwaste Manager  
Off-site Radiological Coordinator  
Corporate Headquarters  
State Representative - CMC  
County Representative(s) - CMC

Report prepared by: \_\_\_\_\_ Date/Time Report Prepared \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Metecology

Wind Speed \_\_\_\_\_ mph Wind Direction (from) \_\_\_\_\_° (ONS) River Wind Direction (from) \_\_\_\_\_°  
 Vertical Temp. Diff. \_\_\_\_\_°F/120 ft (ONS) \_\_\_\_\_°C/100 ft (MNS) Plume Direction(s) \_\_\_\_\_°  
 Stability Class (Circle) A B C D E F Precipitation \_\_\_\_\_ Temperature \_\_\_\_\_

Source Term

Time	Gross Meas./Noble Gas	Iodine	flow rate cfm
Cont. Rad. Monitor _____ R/hr			
Cont. Sample _____ uCi/ml $\bar{E}$ _____ MeV/Dis. _____ uCi/ml I-131 eq.			
Unit Vent _____ uCi/ml $\bar{E}$ _____ MeV/Dis. _____ uCi/ml I-131 eq.			
Other _____			

Dose Projections

	W.B.	Site Boundary	2 mi	5 mi	10 mi
Projected 2 hr. dose (rem) based upon Design Leak Rate	Child Thyroid				
Calculated 2 hr. dose (rem) based upon unit vent release	Child Thyroid				
Max. 2 hr. dose (rem) with Containment Failure	Child Thyroid				
Other (Specify) _____	Child Thyroid				

FIELD MONITORING DATA

Points monitored since last update: \_\_\_\_\_

Point	Distance	Direction	2-Hour Dose Commitment (rem)		Surface Contamination dpm/100 cm <sup>2</sup>	Point	Distance	Direction	2-Hour Dose Commitment (rem)		Surface Contamination dpm/100 cm <sup>2</sup>
			W.B.	Child Thyroid					W.B.	Child Thyroid	
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

Helicopter tracking of plume (comments) \_\_\_\_\_

AFFECTED ZONES: (Check appropriate boxes)

Zone	for ONS for MNS	A1	B1	C1	D1	E1	F1	A2	B2	C2	D2	E2	F2	M	N	O	P	Q	R	S	T	U	V	
		A	B	C	D	E	F	G	H	I	J	K	L											
Potential 2-hr dose exceeds	Child 1.5 Adult 5.25																							
Actual 2-hr dose exceeds	Child 1.5 Adult 5.25																							

Zones potentially affected by plume: \_\_\_\_\_ Time \_\_\_\_\_  
 Zones actually affected by plume: \_\_\_\_\_  
 Zones asked to be evacuated: \_\_\_\_\_  
 Zones actually evacuated: \_\_\_\_\_

Stations/Counties Notified	Time	Message
_____	_____	_____
_____	_____	_____
_____	_____	_____

IT  
PLANT STATUS: \_\_\_\_\_

NUCLEAR STATION  
PLANT DATA AND STATUS  
INFORMATION  
FIGURE I-5

Page \_\_\_\_\_  
Date \_\_\_\_\_  
Time \_\_\_\_\_

H. ADDITIONAL INFORMATION

1.	Point ID	42 Char. Description	Digital Status (If Any)	Value	Units
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-6

MEMORANDUM TO: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

\_\_\_\_\_

MESSAGE:

Submitted by: \_\_\_\_\_

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

- This sheet contains finalized information/data to be utilized  
by the Recovery Manager

COPY TO:

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-7

WORK ACTIVITY JOB REQUIREMENTS

Title For Work Activity -

Work Activity Description -

Manpower Requirements - (Number of workers, estimated work hours, necessary  
worker classification)

Estimated Start and Completion Dates For This Work Activity -

Crisis Management Group Responsible for this Work Activity -

Special Constraints - (such as the impact of this project on other  
work activities)

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-7

WORK ACTIVITY JOB REQUIREMENTS

Title For Work Activity -

Work Activity Description -

Manpower Requirements - (Number of workers, estimated work hours, necessary  
worker classification)

Estimated Start and Completion Dates For This Work Activity -

Crisis Management Group Responsible for this Work Activity -

Special Constraints - (such as the impact of this project on other  
work activities)



DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-8

PERFORMANCE MONITOR WORK ACTIVITY STATUS REPORT

Work Activity:

Report No. \_\_\_\_\_ Date of this Report \_\_\_\_\_ Time \_\_\_\_\_

% Complete as of this report - \_\_\_\_\_%

Original Estimate for Job Completion \_\_\_\_\_

Outstanding Items for this Work Activity -

Potential Delays and/or Problems

Should this Work Activity's Estimated Completion Date be Revised? \_\_\_\_\_

If so, the new Estimated Completion Date is \_\_\_\_\_

Prepared By: \_\_\_\_\_

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-9

DAILY WORK SCHEDULE

DATE: \_\_\_\_\_ SCHEDULE NO. \_\_\_\_\_

<u>Work Activity Description</u>	A.M.			P.M.						A.M.		
	8	10	12	2	4	6	8	10	12	2	4	6
	10	12	2	4	6	8	10	12	2	4	6	8

DUKE POWER COMPANY  
 CRISIS MANAGEMENT PLAN

Figure I-10

TWO DAY WORK SCHEDULE

DATES: \_\_\_\_\_ SCHEDULE NO. \_\_\_\_\_

Work Activity Description	DAY 1				DAY 2															
	A.M.		P.M.		A.M.		P.M.		A.M.											
	8	11	2	5	8	11	2	5	8	11	2	5	8	11	2	5	8	11	2	5
	11	2	5	8	11	2	5	8	11	2	5	8	11	2	5	8	11	2	5	8

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-11

LONG TERM WORK SCHEDULE

DATE PREPARED: \_\_\_\_\_

SCHEDULE NO. \_\_\_\_\_

	<u>Time Periods</u>
<u>Work Activity Description</u>	_____

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

Figure I-12

PROJECT MILESTONES

REPORT NO. \_\_\_\_\_ DATE OF THIS REPORT \_\_\_\_\_

Estimated Completion Dates x  
Actual Completion Dates \*

MILESTONES \_\_\_\_\_

\_\_\_\_\_  
Dates \_\_\_\_\_

DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN

PROGRESS REPORT # \_\_\_\_\_ DATE \_\_\_\_\_

Figure I-13

TO: \_\_\_\_\_

FROM: \_\_\_\_\_

PERIOD FROM \_\_\_\_\_ TO \_\_\_\_\_

I. SITE AND UNIT CONDITION

A. UNIT STATUS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. SITE CONDITION \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. BOUNDARY CONDITION \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

II. OBJECTIVES FOR PERIOD

COMPLETION STATUS (%)

PROJECTED=0 ACTUAL=X

ITEM DESCRIPTION

0-----25-----50-----75-----100%

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

III. DELAYS AND/OR PROBLEMS ENCOUNTERED

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IV. UPCOMING OBJECTIVES FOR PERIOD FROM \_\_\_\_\_ TO \_\_\_\_\_ COMPLETION STATUS (%)

PROJECTED=0

ITEM DESCRIPTION

0-----25-----50-----75-----100%

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DUNLOP POWER COMPANY  
 CRISIS MANAGEMENT PLAN

FIGURE I-14

DATE \_\_\_\_\_ Station \_\_\_\_\_

\_\_\_\_\_ Group \_\_\_\_\_ Function Manager \_\_\_\_\_

Shifts

Time _____ to _____		_____ to _____		_____ to _____	
Name	Extension	Name	Extension	Name	Extension
Mgr. _____	_____	Mgr. _____	_____	Mgr. _____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

A. PRIMARY COOLANT SYSTEM

- 1. (Point ID) T/Hot - Loop A \_\_\_\_\_ °F
- 2. (Point ID) T/Hot - Loop B \_\_\_\_\_ °F
- 3. (Point ID) T/Hot - Loop C \_\_\_\_\_ °F
- 4. (Point ID) T/Hot - Loop D \_\_\_\_\_ °F
- 5. (Point ID) T/Cold - Loop A \_\_\_\_\_ °F
- 6. (Point ID) T/Cold - Loop B \_\_\_\_\_ °F
- 7. (Point ID) T/Cold - Loop C \_\_\_\_\_ °F
- 8. (Point ID) T/Cold - Loop D \_\_\_\_\_ °F
- 9. (Point ID) NC System Press. \_\_\_\_\_ PSIG
- 10. (Point ID) Pzr. Water Level \_\_\_\_\_ %
- 11. (Point ID) NCP/A Status: \_\_\_\_\_
- 12. (Point ID) NCP/B Status: \_\_\_\_\_
- 13. (Point ID) NCP/C Status: \_\_\_\_\_
- 14. (Point ID) NCP/D Status: \_\_\_\_\_
- 15. (Point ID) Boron Concentration \_\_\_\_\_ PPM
- 16. (Point ID) Neutron Flux (SR) \_\_\_\_\_ CPS
- 17. (Point ID) Neutron Flux (IR) \_\_\_\_\_ mA
- 18. (Point ID) Neutron Flux (PR) \_\_\_\_\_ %FP

B. SECONDARY COOLANT SYSTEM

- 1. (Point ID) SG/A Level \_\_\_\_\_ %
- 2. (Point ID) SG/B Level \_\_\_\_\_ %
- 3. (Point ID) SG/C Level \_\_\_\_\_ %
- 4. (Point ID) SG/D Level \_\_\_\_\_ %
- 5. (Point ID) SG/A Steam Press. \_\_\_\_\_ PSIG
- 6. (Point ID) SG/B Steam Press. \_\_\_\_\_ PSIG
- 7. (Point ID) SG/C Steam Press. \_\_\_\_\_ PSIG
- 8. (Point ID) SG/D Steam Press. \_\_\_\_\_ PSIG
- 9. (Point ID) SG/A CF Flow \_\_\_\_\_ MPPH
- 10. (Point ID) SG/B CF Flow \_\_\_\_\_ MPPH
- 11. (Point ID) SG/C CF Flow \_\_\_\_\_ MPPH
- 12. (Point ID) SG/D CF Flow \_\_\_\_\_ MPPH
- 13. (Point ID) SG/A CA Flow \_\_\_\_\_ MPPH
- 14. (Point ID) SG/B CA Flow \_\_\_\_\_ MPPH
- 15. (Point ID) SG/C CA Flow \_\_\_\_\_ MPPH
- 16. (Point ID) SG/D CA Flow \_\_\_\_\_ MPPH

C. AUXILIARY SYSTEMS

- 1. (Point ID) NV Letdown Flow \_\_\_\_\_ GPM
- 2. (Point ID) NV Charging Flow \_\_\_\_\_ GPM
- 3. (Point ID) ND Return Flow \_\_\_\_\_ GPM

D. SAFETY INJECTION SYSTEM

- 1. (Point ID) CCP Inj. Hdr. Flow \_\_\_\_\_ GPM
- 2. (Point ID) CCP/A Status: \_\_\_\_\_
- 3. (Point ID) CCP/B Status: \_\_\_\_\_
- 4. (Point ID) NI Pump A Status: \_\_\_\_\_
- 5. (Point ID) NI Pump B Status: \_\_\_\_\_

E. CONTAINMENT SYSTEMS

- 1. (Point ID) Containment Press \_\_\_\_\_ PSIG
- 2. (Point ID) Containment Temp \_\_\_\_\_ °F
- 3. (Point ID) Containment Sump Level \_\_\_\_\_ FT
- 4. (Point ID) Containment H<sub>2</sub> Concen. \_\_\_\_\_ %

F. RADIATION MONITORING SYSTEMS

- 1. (Point ID) NCS Monitor \_\_\_\_\_ CPM
- 2. (Point ID) Cont. HI Range Area \_\_\_\_\_ R/HR
- 3. (Point ID) Cont. Gas Monitor \_\_\_\_\_ CPM
- 4. (Point ID) Unit Vent Noble Gas \_\_\_\_\_ CPM
- 5. (Point ID) Unit Vent Iodine \_\_\_\_\_ CPM

G. ENVIRONMENTAL SYSTEMS

- 1. (Point ID) Upper Wind Speed \_\_\_\_\_ MPH
- 2. (Point ID) Lower Wind Speed \_\_\_\_\_ MPH
- 3. (Point ID) Upper Wind Direction From \_\_\_\_\_ DEG
- 4. (Point ID) Lower Wind Direction From \_\_\_\_\_ DEG
- 5. (Point ID) Barometric Pressure \_\_\_\_\_ IN HG
- 6. (Point ID) Lower to Upper Temp. Diff. \_\_\_\_\_ °C
- 7. (Point ID) Lower to Middle Temp. Diff. \_\_\_\_\_ °C
- 8. (Point ID) Switchyard Ambient Air Temp. \_\_\_\_\_ °C



DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN  
IMPLEMENTING PROCEDURE 5.3.10

OCONEE NUCLEAR STATION-CRISIS  
TELEPHONE DIRECTORY

Rev. 3  
February 28, 1983

OCONEE NUCLEAR STATION

CRISIS MANAGEMENT TEAM  
TELEPHONE DIRECTORY

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INCOMING LINES TO OCONEE NUCLEAR STATION

DIAL CODE - MICRO-WAVE

From

Dial

Seneca

Charlotte General Office

Catawba Steam

Catawba Construction

Easley

McGuire

Cherokee

Attendant (To access Bell Line)

Anderson

Six Mile Island

Seneca

Easley

Anderson

Six Mile

EMERGENCY NUMBERS  
OCONEE AND PICKENS COUNTIES

PICKENS COUNTY

Primary Number

EXECUTIVE GROUP\*

Civil Defense  
County Administrator  
County Council  
Legal Officer

OPERATIONS GROUP\*

Law Enforcement  
Rescue Squad  
EMS  
Fire Service  
Medical Service  
Health Service  
Dept. of Public Works

ASSESSMENT\*

Transportation  
Emergency Welfare Service  
Shelter Service  
Red Cross

Supply and Procurement  
RADEF

Mental Health  
Damage Assessment  
Public Information

ALTERNATE NUMBER (to any group)

PUBLIC INFORMATION OFFICER

CRISIS NEWS CENTER-ONS\*

State of South Carolina  
Oconee County  
Pickens County  
NRC

CRISIS NEWS CENTER LIBERTY RETAIL OFFICE\*

State of South Carolina  
Oconee County  
Pickens County  
NRC

\*Call any one of the listed numbers to reach group desired.

EMERGENCY OPERATION CENTER

Oconee County

Primary Number (24-hour) . . . . .

OPERATIONS\*

Fire Protection . . . . .

Police . . . . .

Public Roads . . . . .

Emergency Medical Services . . . . .

Rescue Squads . . . . .

ASSESSMENT\*

Emergency Welfare Services . . . . .

Radiological Defense . . . . .

Damage Assessment . . . . .

EXECUTIVE GROUP\*

Supervisor/Chairman County Council . . . . .

EOC Director . . . . .

Financial Officer . . . . .

FNF Representative . . . . .

PUBLIC INFORMATION OFFICER

CRISIS NEWS CENTER-ONS

State of South Carolina  
Oconee County  
Pickens County  
NRC

CRISIS NEWS CENTER LIBERTY RETAIL OFFICE

State of South Carolina  
Oconee County  
Pickens County  
NRC

\*Call any one of the listed numbers to reach group desired.

GENERAL OFFICE RESPONSE LOCATIONS  
(Alternate Crisis Center)

Administration and Logistics (Wachovia Room 1488)-----

Design and Construction (Electric Center 3-32)-----

Radiological Support (Wachovia 2390)-----

Offsite Radiological Coordinator (Wachovia 2336)-----

\*Recovery Manager (Wachovia 1222)-----

\*Phones available for other groups in WC 1222-----  
(Planning/Scheduling)

NRC, States and Counties (Wachovia 1400)-----

Technical Support (Wachovia 1704)-----

CRISIS NEWS GROUP (INDIVIDUAL OFFICES ON FIFTH FLOOR OF POWER BUILDING)

M. Cartwright (PB 5014)-----

M. Boyd (PB 5012)-----

I. Kaplan (PB 5010)-----

A. Coffin (PB 5024)-----

News Staff and Media (Electric Center Auditorium)-----

CRISIS MANAGEMENT CENTER

POSITION

PRIVATE LINE

ONS SWITCHBOARD

RECOVERY MANAGER

SCHEDULING/PLANNING MANAGER

RADIOLOGICAL SUPPORT MANAGER

TECHNICAL SUPPORT

DESIGN AND CONSTRUCTION SUPPORT  
MANAGER

OFFSITE RADIOLOGICAL COORDINATOR

ADMINISTRATION AND LOGISTICS  
MANAGER

ADVISORY SUPPORT  
Nuclear Regulatory Commission

Babcock & Wilcox (NSSS Supplier)

CORPORATE HEADQUARTERS  
(Contact with Governor)  
A. C. Thies

Alternate:  
W. H. Owen

DATA COORDINATION  
(Telecopier)

CRISIS NEWS CENTER

Telephone Number  
882-5363

Position/Name

Private  
Line

ONS  
Switchboard

CRISIS NEWS DIRECTOR

COMMERCIAL NEWS MEDIA  
(Active Numbers)  
For drill purposes only

COMMERCIAL NEWS MEDIA  
(Inactive Numbers)  
Activated only during an  
actual emergency

STATE/COUNTIES PUBLIC INFORMATION OFFICERS

PHONE NUMBERS FOR LIBERTY RETAIL OFFICE.

Recovery Manager

Scheduling/Planning

Crisis News & State/County  
PIO's

Design and Construction

Technical Support

Offsite Radiological Coordinator

Administration & Logistics

Radiological Support Manager

NRC/State and Counties



TECHNICAL SUPPORT CENTER

Telephone Number  
882-5363

<u>Position/Name</u>	<u>Outside Line</u>	<u>Station Number</u>
Emergency Coordinator J. E. Smith		
Supt. of Operations J. N. Pope		
Supt. of Technical Services T. B. Owen		
Supt. of Maintenance J. M. Davis		
Supt. of Administration J. T. McIntosh		
NRC Resident Engineer W. H. Orders		
B&W Resident Engineer B. W. Street L. H. Williams, Alternate		
Station Health Physicist C. T. Yongue		

HEALTH PHYSICS CENTER

Environmental Surveillance Coordinator  
J. J. Sevic

Data Evaluation/Report Preparation Supervisor  
(Off-Site Dose Projection)  
C. Harlan

Surveillance and Control Coordinator  
M. D. Thorne

Support Functions Coordinator  
J. A. Long

Dosimetry Records  
B. A. Murphree

Telephone Number  
882-5363

<u>Position/Name</u>	<u>Outside Line</u>	<u>Station Number</u>
<u>TECHNICAL SERVICES GROUP</u>		
Performance T. S. Barr		
Licensing and Projects R. T. Bond		
Chemistry D. P. Rochester		
<u>OPERATIONAL SUPPORT CENTER</u>		
(Support group consists of Health Physics, Chemistry, Maintenance, Safety and Operations personnel)		
<u>Operational Support Center Coordinator</u>		
W. E. Martin		
<u>Mechanical Maintenance Engineer</u>		
D. Thompson		
<u>I&amp;E Engineer</u>		
R. Adams		
<u>Operations Group</u>		
Unit #3 Operations Offices		
Nuclear Equipment Operators (Unit 1 & 2 Emergencies)		
Nuclear Equipment Operators (Unit 3 Emergencies)		
Medical Assistance		
<u>CONTROL ROOM</u>		
Unit 1		
Unit 2		
Unit 3		
Shift Supervisor (Unit 1 & 2)		
Unit 3		

Telephone Number  
882-5363

<u>Position/Name</u>	<u>Outside Line</u>	<u>Station Number</u>
<u>TELECOPIER</u>		
Technical Support Center		
<u>DATA TRANSMISSION</u>		
Coordinator Data Release (Vax Program)		
<u>TSC COMMUNICATOR (with outside agencies)</u>		
<u>ADMINISTRATOR CLERICAL SUPPORT</u>		

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
NUMBER CODE FOR IDENTIFYING PERSONNEL/ACTIVITIES TO BE NOTIFIED

CODE

1. NUCLEAR REGULATORY COMMISSION by Red Phone within one hour.
2. UNIT COORDINATOR/OPERATIONS DUTY ENGINEER who will notify:
  - A. Superintendent of Operations
  - B. Station Manager/Emergency Coordinator (or alternate as listed in number 11)
  - C. Nuclear Production Duty Engineer .....
3. STATION MANAGER
  - J. Ed Smith, Office .....
  - Home .....
4. BABCOCK AND WILCOX RESIDENT ENGINEER
  - Bill Street, Office .....
  - Home .....

(If Bill Street cannot be reached, call)

  - L. H. Williams, Office .....
  - Home .....
5. STATION HEALTH PHYSICIST/DUTY HEALTH PHYSICIST
  - C. T. Yongue, Office .....
  - Home .....
6. SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL,  
BUREAU OF RADIOLOGICAL HEALTH (Warning Point State of South Carolina)
  - Bureau of Radiological Health (0800-1700) .....
  - Answering Service After Hours, weekends, holidays
  - State EOC Columbia, S.C. ....
  - Forward EOC Clemson, S.C. ....

or,  
or,

7. COUNTY EMERGENCY PREPAREDNESS AGENCIES

Oconee County Emergency Preparedness .....(pager 251).....

Pickens County Emergency Preparedness .....(pager 76).....

8. COUNTY SHERIFF'S DEPARTMENTS

Oconee County (24 hours) .....

Pickens County (24 hours) .....

9. MEDICAL ASSISTANCE

Oconee Memorial Hospital Ambulance Service .....

Oconee Memorial Hospital Switchboard/Emergency Room .....

10. FIRE ASSISTANCE

Oconee County Rural Fire Protection Association .....

Woods or Forest Fire (Oconee County, Oakway Tower) .....

Woods or Forest Fire (Pickens County, Woodall Mt. Tower) .....

11. TECHNICAL SUPPORT CENTER ACTIVATION

(If the first person cannot be reached, go to the next person down the list until one person is contacted)

Emergency Coordinator/Station Manager

J. E. Smith, Office ..... Ext  
Home .....

Superintendent of Technical Services

T. B. Owen, Office ..... Ext  
Home .....

Superintendent of Maintenance

J. M. Davis, Office ..... Ext  
Home .....

Superintendent of Operations

J. N. Pope, Office .....  
Home .....

12. WATER DEPARTMENTS

Should releases of radioactive effluent into Lake Keowee or Lake Hartwell potentially affect municipal water intakes or exceed technical specifications. Contact the appropriate authorities as indicated below:

Lake Keowee

Seneca, H. J. Balding, Office .....  
Home .....

Lake Hartwell

City of Clemson

Mayor of Clemson, Office .....  
Home .....

(If the mayor cannot be reached, call one of the following)

Clemson Administrator's Office .....  
Home .....

Clemson Filter Plant (0700-1700) .....

Clemson University

President's Office .....  
Home .....

(If the President cannot be reached, call)  
Clemson University Physical Plant (0800-1630)

Anderson Water Works (24 Hr. Number)

(AGENCIES THAT MAY RESPOND TO AN EMERGENCY AT OCONEE NUCLEAR STATION)

LAW ENFORCEMENT

S. C. Highway Patrol (Greenville, S. C.) .....

S. C. Enforcement Division (Columbia, S. C.) .....

Communications Check-Officer-of-the-Day .....

BOMB DISPOSAL

Explosives Ordinance Disposal Control .....  
(Forst Jackson, Columbia, S. C.)

RADIATION AND CONTAMINATION

REACTS, Department of Emergency (Oak Ridge, Tennessee) ..  
(24 hr. number - after 1700 ask for Beeper number)..

DOE Emergency Radiological Monitoring Team (Aiken, S. C.)

N. C. Division of Emergency Management .....  
(North Carolina State Warning Point - 24 hours)

Georgia Department of Natural Resources  
Environmental Radiation Program .....

Georgia Civil Defense (0800-1700) - Operations Section ..  
After Hours - Duty Officer .....

NUCLEAR REGULATORY COMMISSION

NRC Operations Center (via Bethesda Central Office) .....

NRC Operations Center (via Silver Spring Central Office ..

Health Physics Network to: NRC Operations Center .....  
: NRC Region II

NRC Operator (Via Bethesda Central Office) .....

US NRC, Region II .....(24 hr.)..

US NRC, Oconee Resident Inspector .....

(Home)...

BUS TRANSPORTATION

Anderson Retail Office (24 hr. number) .....  
(Contact Ken Kernodle, George Wilson)

NATIONAL WEATHER SERVICE - METEOROLOGICAL BACK-UP SOURCE

Greenville-Spartanburg Weather Service .....(24 hour)...

## NRC HEALTH PHYSICS NETWORK TELEPHONES

The NRC's Health Physics Network (HPN or Black Phone) connects all Nuclear Power Plants and Fuel Facilities to NRC Regional Offices and to NRC Headquarters Operations Center. The phone is intended to support Health Physics Operations in an emergency but can be used for daily voice traffic and facsimile transmittal.

There are two points at Oconee Nuclear Station which can access the HPN network. The station has jacks for the HPN in the Units 1&2 Control Room performance office, and in the training center.

The phone is used normally with the exception; NO DIAL TONE OR RINGING IS HEARD. In addition, ringing only lasts 30 seconds, so after 30 seconds if the party has not answered, you must hang up and redial.

For convenience, the cords most often used are listed below:

<u>HPN Phone</u>	<u>Code</u>
1. NRC region 2 (Atlanta) office	
2. NRC headquarters	
3. B&W Research Center	
4. Oconee NRC Resident Inspector	
5. Oconee Nuclear Station	
6. <u>All</u> NRC region 2 Resident Inspectors	
7. <u>All</u> region 2 Operating Nuclear Plants	

In addition, the calling party may "conference" any phones during conversation by simply dialing the appropriate code(s). Any number of stations may be added in this manner.



## OCONEE NUCLEAR STATION EMERGENCY RADIO

The call letters WQC699 identify the Emergency Event Radio frequency. The following is a listing of radio locations, unit call letters, and identifiers. Use identifiers only in transmission (for example, message may start with "Control Room to Alpha" and response will be Alpha to Control Room).

### ONS Base Station Remotes

<u>Location</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
1. Unit 1 & 2 Control Room		
2. Crisis Management Center (Training Center)		
3. Technical Support Center		

### Coded Squelch Radios

(Note above 3 Base Stations can activate squelch to the following radios by dialing encoding numbers.)

<u>Location</u>	<u>Encode</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
4. Pickens Co. LEC Pickens Co. (Courthouse) Pickens Co. (C.D. Office)			Pickens Co. LEC Pickens Co. (Courthouse) Pickens Co. CD
5. Oconee Co. LEC			Oconee Co. LEC
6. State FEOC - Clemson			State FEOC

ALL ABOVE RADIOS MAY BE ACTIVATED BY DIALING ENCODING NO. 30

### Field Monitoring Teams

<u>Location</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
8. Field Monitor Coordinator		Leader
9. Field Monitor Team		Alpha
10. Field Monitor Team		Bravo

<u>Location</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
11. Field Monitor Team		Charlie
12. Field Monitor Team		Delta
13. Field Monitor Team		Echo
14. Field Monitor Team		Foxtrot

TO COMMUNICATE BETWEEN BASE STATION REMOTES (1, 2, 3), THE INTERCOM MUST BE USED: The following procedure must be used:

1. Push INTERCOM button and hold.
2. Push MIKE button and hold.
3. Send message (example, CMC to TSC).
4. Release both buttons to receive a response.

CRISIS MANAGEMENT PLAN

IMPLEMENTING PROCEDURE

5.3.14

"Duke Power Company  
Crisis Management Center,  
Environmental Monitoring for Emergency Conditions  
Within the Ten Mile Radius of McGuire Nuclear Station"

Rev. 6  
Feb. 1, 1983

DUKE POWER COMPANY  
CRISIS MANAGEMENT CENTER  
ENVIRONMENTAL MONITORING FOR EMERGENCY CONDITIONS  
WITHIN THE TEN MILE RADIUS OF McGUIRE NUCLEAR STATION

1.0 PURPOSE

- 1.1 To provide long term coordination of environmental monitoring following an unplanned release of radioactive material in excess of McGuire Nuclear Station Technical Specifications to the environment. This procedure will replace station Health Physics Manual Section 18.2 once the Crisis Management Center is activated.

2.0 REFERENCES

- 2.1 Station Directive 3.8.1 (Site Assembly and Evacuation).  
2.2 HP/O/B/1009/09, Release of Radioactive Materials Thru the Unit Vent Exceeding Technical Specifications.  
2.3 HP/O/A/B/1009/10, Release of Liquid Radioactive Materials Exceeding Technical Specifications.  
2.4 RP/O/A/5700/02 (Alert)  
2.5 RP/O/A/5700/03 (Site Area Emergency)  
2.6 RP/O/A/5700/04 (General Emergency)  
2.7 Station H.P. Manual Section 18.2

3.0 LIMITS AND PRECAUTIONS

- 3.1 The Field Monitoring Coordinator (FMC) shall report to the Station Health Physicist (Technical Support Center) once the Emergency Plan and Organization has been implemented.  
3.2 The FMC shall report to the Off-Site Radiological Coordinator (System Health Physicist or designee) once the Crisis Management Center has been manned and is operational.  
3.3 Environmental sampling during emergency conditions shall not replace, but rather supplement normal environmental monitoring.  
3.4 Survey teams shall don particulate masks when airborne particulate activity is  $>3 \times 10^9$   $\mu\text{c/ml}$  gross  $\beta\gamma$ , or  $6 \times 10^{13}$   $\mu\text{c/ml}$   $\alpha$ .  
3.5 If teams expect to be exposed to Iodine-131 in excess of 10 MPC ( $9 \times 10^8$   $\mu\text{c/ml}$ ) they shall ingest 130 milligrams (1 tablet) of potassium iodide, utilizing the supply kept at the station by Health Physics.

- 3.6 Survey teams shall don protective clothing at contamination levels >2000 dpm/100 cm<sup>2</sup> Beta-gamma, >500 dpm/100 cm<sup>2</sup> alpha.
- 3.7 Survey teams shall wear high range personnel dosimetry provided in the kits when entering areas where suspected radiation levels may warrant.

#### 4.0 PROCEDURE

- 4.1 Upon notification by the Technical Support Center, that members of the Crisis Management Center have assembled, the assigned emergency environmental monitoring survey teams from the station will report in to the FMC at the Crisis Management Center in order to turn over the direction of offsite sampling responsibilities at the earliest convenient time.

NOTE The emergency environmental monitoring survey teams from the station will have already assembled and commenced emergency sampling per station Health Physics Manual Section 18.2 under direction of the Technical Support Center.

- 4.2 The FMC will notify the Field Monitoring Organization (Enclosure 5.1) to assemble at the Crisis Management Center at the end of the Shift or other convenient time to relieve the station monitoring teams of offsite sampling responsibilities.
- 4.3 The Crisis Management Center monitoring teams will assume the responsibility of offsite sampling at the earliest convenient time to allow the station monitoring team to return to the station.
- 4.4 Five field monitoring teams consisting of two (2) technicians per team and one (1) helicopter team, the pilot and (1) H.P. Technician shall be formed as follows:

<u>Teams</u>	<u>Call Sign</u>	<u>Transportation</u>	
A	"Alpha"	Chemistry Vehicle #4352	Chevrolet Suburban
B	"Bravo"	Health Physics Vehicle #7632	Jeep Cherokee
C	"Charlie"	Administration Vehicle #3937	Station Mgrs. Vehicle
D	"Delta"	Planning Pick-up #8031	
E	"Echo"	1978 Dixie Emergency Boat	
F	"Foxtrot"	Helicopter	

#### 4.5 Coordinator Action

- 4.5.1 The FMC shall obtain meteorological information from the

Dose Assessment Coordinator, who is in contact with the Corporate Meteorologist, and from the plant status sheet.

- 4.5.1.1 The FMC shall be located in the Crisis Management Center (once established) and report to the Off-Site Radiological Coordinator.
- 4.5.1.2 The FMC shall direct environmental surveillance and the preparation of status reports.
- 4.5.1.3 The FMC shall direct the efforts of the Field Teams in obtaining pertinent field measurements and implement monitoring strategies and sample collection requirements.
- 4.5.1.4 The FMC shall advise the Dose Assessment Coordinator of results of field measurements.
- 4.5.1.5 The FMC shall assure adequate staffing and resources for the Field Teams.
- 4.5.1.6 The FMC shall inform the Technical Support Center (Station Health Physicist) of sampling results once received from the monitoring teams or the Laboratory Analysis Coordinator.

#### 4.6 Team Action

- 4.6.1 The FMC shall dispatch Field Teams A, B, and C to predetermined survey points within the downwind sector.
  - 4.6.1.1 The predetermined sampling locations are listed in Enclosure 5.2. The sector to be monitored or the "plume" patch shall be determined by placing nomograph overlays on a map in the opposite direction. The sectors to be monitored are subject to change based on wind and meteorological conditions.
- 4.6.2 The survey teams shall maintain open communications with the FMC of the Crisis Management Center informing him of sample results at each predetermined survey point. Record all sample results on appropriate survey forms (Enclosure 5.6)

NOTE The monitoring teams shall use proper radio protocol when using the two-way radios for communications.

#### 4.7 At each survey point, the survey teams shall:

- 4.7.1 Take an air sample (10<sup>6</sup> ml) utilizing a Silver Zeolite (CP-100G) cartridge and particulate filter.
  - 4.7.1.1 Using the SAM-2, count the sample for (2) two minutes for I<sup>131</sup> and record results.

- 4.7.1.2 Report air sample results in corrected counts per minute.
- 4.7.2 Perform a general area  $\beta$  survey at 3' from the ground. Record results.
  - 4.7.2.1 Report results to the FMC in mR/hr.
- 4.7.3 Take smears and water samples as directed by the FMC. Record time and location. Results will be recorded on appropriate sample forms. (Enclosure 5.6) when samples are processed.
- 4.7.4 Retain all samples for future analysis.
- 4.7.5 Place TLD's at locations designated by the FMC and record the time.
- 4.7.6 Collect air samples and TLD's that are located in the environment as part of the normal environmental monitoring program as instructed by the FMC. Record locations and related times. Locations of air samplers and TLD's are listed in Enclosure 5.7.
- 4.7.7 Label all samples and return them to the Crisis Management Center for analysis as directed by the FMC. The teams shall be supplemented, relieved, or secured as directed by the Field Monitoring Coordinator.
- 4.8 In the course of their monitoring, the survey teams may be utilized to inform unknowing persons they encounter in the area, should area evacuations become imminent.

NOTE This (informing person) is not to interfere with emergency monitoring.
- 4.9 Once the extent of the release is known, survey teams shall continue to monitor survey points as directed by the FMC in order to observe changes in radiation/contamination levels and/or locations.
- 4.10 The emergency environmental survey teams shall be supplemented, relieved, or secured as directed by the FMC upon conferring with other members of the Offsite Radiological Sampling Group of the Crisis Management Center.

## 5.0 ENCLOSURES

- 5.1 Field Monitoring Organization (Names & Telephone Numbers of Members).
- 5.2 List of Designated Survey Points.

- 5.3 List of Designated Limnological Sample Points
- 5.4 Map of 10 Miles Radius with Predetermined Survey Points
- 5.5 List of Content of Survey Kits
- 5.6 Survey Form
- 5.7 Location of Env. TLD's and Air Samplers
- 5.8 Procurement of Helicopter for Emergency Environmental Surveillance
- 5.9 Map of Designated Survey Points Inside the 2500' Exclusion Area Boundary.
- 5.10 Field Monitoring Team Log Sheet.

ENCLOSURE 5.1  
FIELD MONITORING ORGANIZATION

LABORATORY ANALYSIS COORDINATOR	FIELD MONITORING COORDINATOR	DOSE ASSESSMENT COORDINATOR
J. S. Issacson	J. R. LEONARD	R. E. SORBER

SURVEY TEAM "A"	SURVEY TEAM "B"	SURVEY TEAM "C"	SURVEY TEAM "D"	SURVEY TEAM "E"	SURVEY TEAM "F"
Catawba Nuclear Station Personnel				Microwave No	
Phillip Deal, Station Health Physicist				Bell Line	
Maurice McClettie				Fletch Wilson	
Rick Greene				Tammie Hindman	
Rick Dove				Robert Deshazo	
Jerry Mode *				Grady Lane	
John Threatt				Barry Kimray	
Rich Wright				Cue Williamson	
Tim O'Donohue				Sam Powell	
Ron Rivard				Doug Baysinger	
Mike Moses				Nancy Strickland	
Steve Jones				Harold McCullough	
Scott Ledford				Brenda Wells	
Dean Thames				Barbara Jones	
Henry Cuthbertson				Linda Thompson	
Dough Parrott				Alton Johnson	
Gloria Waddell				Eddie Bendfield	
Robin Swails					

\* Alternate Field Monitoring Coordinator



ENCLOSURE 5.1 (Cont.)

SYSTEM  
ENVIRONMENTAL LABORATORY  
PERSONNEL

Jan Williams  
Bill Foris  
Paulie Whitcomb  
Aileen Lockhart  
Steve Johnson  
Larry Miller  
Jerry Harris  
Bill Piercy  
Herb Magill  
Wayne Harden  
Paul White  
Cindy Knox  
Tom Yocum

ENCLOSURE 5.2

List of Designated Survey Points  
(McGuire Nuclear Station)

Example:           A           3       -       1  
                  Evacuation   Mile       Sample  
                  Zone         Radius     Point

- X - 1     Flagpole at Technical Training Center
- X - 2     South end of bridge over discharge canal
- X - 3     Intersection of Construction Access Road and SR 2192 (Hager Ferry Road).
- X - 4     Construction Access Road at the construction yard just north of the clearing, viewing the Standby Nuclear Service Water Pond.
- X - 5     Entrance to McGuire firing range on N.C. Highway 73.
- X - 6     South side of N.C. Highway 73, 20 yards east of the McGuire Steam Production entrance.
- X - 7     North side of N.C. Highway 73 where railroad tracks and the highway become parallel.
- X - 8     Dam at Waste Water Collection Basin. Access through O.C. Gate #5 (South River Gate) .
- A - 2-1   Southwest end of Belle Isle Drive off SR 2149.
- A - 3-1   West end of SR 2151.
- A - 3-2   Intersection of SR 2151 and SR 2149.
- A - 3-3   South end of SR 2148 (Nance Road).
- A - 5-1   Intersection of SR 2189 (Bethel Church Road) and Staghorn Drive.
- A - 5-2   Knox Grill at intersection of N.C. Highway 73 and SR 2159 (Knox Road).

\* Contact the Shift Lieutenant at Ext.        or via emergency radio for access.

NOTE Sample locations denoted with "X" indicate locations within the Exclusion Area Boundary.

ENCLOSURE 5.2 (Cont.)

- B - 1-1 One mile from plant on Lake Norman.
- B - 1-2 One mile from plant on Lake Norman.
- B - 1-3 One mile from plant on Lake Norman.
- B - 1-4 One mile from plant on Lake Norman.
- B - 1-5 One mile from plant on Lake Norman.
- B - 1-6 Emergency boathouse at boat dock.
- C - 1-1 Approximately one mile on Hubbard Road off Highway 73.
- C - 1-2 End of Hubbard Road.
- C - 1-3 Approximately one mile west on SR 2133.
- C - 1-4 Catawba River, access through O.C. Gate 7 (Lower Dam Access)\*
- C - 1-5 River bank at north tip of island, access thru O.C. Gate 7 (Lower Dam Access)\*
- C - 2-1 Intersection of SR 2138 (Beatties Ford Road) and SR 2133 (Stevens Road).
- C - 2-2 West end of SR 2132.
- D - 2-1 Intersection of SR 2128 (Beatties Ford Road) and SR 2136 (Gilead Road).
- D - 3-1 East end of SR 2148 (Babe Stillwell Farm Road).
- D - 3-2 Intersection of SR 2136 (Gilead Road and SR 2131 (Bud Henderson Road).
- D - 3-3 Intersection of SR 2128 (Beatties Ford Road) and SR 2129 (Jim Kidd Road).
- D - 3-4 Intersection of SR 2074 (Meck Road) and SR 2127 (Allison Ferry Road).
- D - 3-5 West end of SR 2127 (Allison Ferry Road).
- D - 5-1 Intersection of SR 2136 (Gilead Road) and SR 2139 (Remson Road).
- D - 5-2 Intersection of SR 2117 (Hambright Road) and SR 2120 (McCoy Road).
- D - 5-3 Intersection of SR 2074 (Beatties Ford Road) and SR 2217 (Hambright Road).

ENCLOSURE 5.2 (Cont'd)

- D - 5-4 Intersection of SR 2074 (Beatties Ford Road) and SR 2125.
- E - 6-1 Intersection of SR 2004 (Mt. Holly-Huntersville Road) and SR 2075 (Riverview Road).
- E - 7-1 Intersection of SR 2004 (Mt. Holly-Huntersville Road) and SR 2001 (Pump Station Road).
- E - 8-1 Intersection of SR 2025 (Miranda Road) and SR 2043.
- E - 8-2 Bridge over Long Creek on N.C. Highway 16 between SR 1664 and SR 2005.
- E - 10-1 Intersection of SR 2619 (Peachtree Road) and SR 2027 (Cora Ave.).
- E - 10-2 Intersection of SR 1771 (Cathey Road) and SR 1769 (Tom Saddler Road).
- F - 5-1 Intersection of U.S. Highway 21 and SR 2004 (Mt. Holly-Huntersville Road).
- F - 7-1 Intersection of SR 2004 (Mt. Holly-Huntersville Road) and SR 2116 (Alexanderana Road).
- F - 8-1 Intersection of Interstate 77 and SR 2110 (Reames Road).
- F - 9-1 Intersection of SR 2442 (Asbury Church Road) and SR 2426 (Huntersville-Concord Road).
- F - 9-2 Intersection of SR 2442 (Asbury Church Road) and SR 2445.
- F - 10-1 Intersection of SR 2459 (Eastfield Road) and SR 2475 (Prosperity Church Road).
- F - 10-2 Intersection of N.C. Highway 115 and SR 2631 (Beechwood Mobile Home Park Road).
- G - 5-1 Intersection of U.S. Highway 21 and SR 2145 (Sam Fur Road).
- G - 6-1 South end of SR 2438 (Hagers Road) - right fork.
- G - 6-2 Intersection of N.C. Highway 115 and SR 2416 (Bailey Road).
- G - 8-1 Bridge over Rocky River on N.C. Highway 73 between SR 2420 and SR 2422.
- G - 8-2 Intersection of SR 2427 (McCord Road) and SR 2439 (Ramah Church Road).
- G - 10-1 Intersection of SR 2418 (Shearer Road) and SR 2419.

ENCLOSURE 5.2 (Cont.)

- H - 5-1 Intersection of U.S. Highway 21 and SR 2147.
- H - 7-1 Intersection of Interstate Highway 77 and SR 2158 (Goodrum Drive).
- I - 5-1 South end of SR 2160.
- I - 6-1 Intersection of SR 1100 (Mayhew Road) and SR 2065.
- I - 7-1 Intersection of SR 1100 (Mayhew Road) and SR 1111 (Tom White Road).
- I - 7-2 South end of SR 1113 (Isle of Pines Road).
- I - 8-1 South end of SR 1459.
- I - 9-1 Intersection of SR 1100 (Mayhew Road) and SR 1177 (Chuckwood Road).
- I - 10-1 Intersection of SR 1115 and SR 1455.
- J - 6-1 West end of SR 1102 (Williamson Chapel Road) in All Seasons Campground.
- J - 9-1 Intersection of N.C. Highway 115 and SR 1137 (Midway Lake Road).
- J - 10-1 West end of SR 1194.
- J - 10-2 Intersection of SR 1132 (Midway Lake Road) and SR 1136 (J.P. White Road).
- L - 9-1 Barclay's Mini-Market and Texaco on SR 1373.
- L - 9-2 South end of SR 1841 (Webbs Chapel Road).
- M - 3-1 Highway 16 at Turbyfill Nursery.
- M - 4-1 Beatties Ford Access Area on SR 1439.
- M - 4-2 Picnic Area south of railroad crossing on N.C. Highway 16 between SR 1394 and SR 1397.
- M - 5-1 East end of SR 1495 in Westport Community.
- M - 5-2 Railroad Crossing east of Forney Creek on SR 1380 (Triangle Road) between SR 1386 and SR 1387.
- M - 5-3 East Lincoln High School at intersection of N.C. Highway 73 and SR 1386.
- M - 5-4 Bridge over Killian's Creek on SR 1545 (Old Plank Road) between N.C. Highway 16 and SR 1398.

ENCLOSURE 5.2 (Cont.)

- M - 6-1 Bridge over Anderson Creek on SR 1385 (Anderson Branch Road) between N.C. Highway 73 and SR 1383.
- N - 6-1 Intersection of SR 1379 and SR 1376.
- N - 6-2 Intersection of SR 1380 (Triangle Road) and SR 1381.
- N - 8-1 Bridge over Anderson Creek on SR 1360 (Tucker's Campground Road) between SR 1382 and SR 1384.
- N - 8-2 Bridge over Killian's Creek on SR 1373 (Denver Road) between N.C. Highway 16 and SR 1360.
- N - 8-3 Intersection of SR 1375 and SR 1635.
- N - 10-1 Intersection of SR 1360 (Tucker's Campground Road) and SR 1349.
- O - 10-1 Intersection of SR 1362 (Mechpelah Road) and N.C. Highway 73.
- P - 6-1 Intersection of SR 1545 (Old Plank Road) and SR 1412 (Mariposa Road).
- P - 8-1 Bridge over Leeper's Creek (North Branch) on SR 1404 between SR 1535 and SR 1403.
- P - 10-1 Intersection of SR 1360 (Tucker's Campground Road) and SR 1361.
- Q - 1-1 Cowans Ford Dam - east end, access through O.C. Gate #10\*.
- Q - 1-2 SR 1395 at Lake Norman Overlook.
- Q - 1-3 Intersection of Highway 73 and SR 1528.
- Q - 2-1 Bill's Marina on SR 1395.
- Q - 2-2 Intersection of N.C. Highway 73 and SR 1393.
- Q - 2-3 Intersection of N.C. Highway 73 and SR 1528.
- Q - 2-4 Railroad crossing on SR 1396 (Killian Road) between SR 1397 and SR 1909.
- Q - 3-1 East end of SR 1441.
- Q - 3-2 Intersection of SR 1393 and SR 1568 (Nixon Heights entrance).
- Q - 3-3 Bridge over Johnsons Creek on SR 1397 (Sifford Road) between SR 1396 and SR 1652.
- R - 8-1 Intersection of SR 1902 (Mariposa Road) and SR 1906.

ENCLOSURE 5.2 (Cont.)

- R - 9-1 Intersection of N.C. Highway 27 and SR 1903 (Lawrence Road).
- S - 8-1 Intersection of SR 1935 (Stanley Road) and SR 1923 (Old N.C. 27).
- U - 10-1 Intersection of N.C. Highway 273 and N.C. Highway 27.
- V - 3-1 Intersection of SR 1968 and SR 1909 approximately 0.5 mile past Gaston County Line.
- V - 5-1 Intersection of N.C. Highway 16 and SR 1911.
- V - 5-2 Lucia Fire Department in Lucia on N.C. Highway 16.
- V - 5-3 Water tower across from Riverbend Steam Station on SR 1912.
- V - 5-4 Intersection of SR 1912 (Horseshoe Bend Beach Road) and SR 1913.
- V - 7-1 Bridge over Leepers Creek on SR 1820 (Alexis-Lucis Road) between SR 1907 and SR 1902.
- V - 7-2 Bridge over Dutchman's Creek on SR 1905 (Upper Stanley Road) between SR 1820 and SR 1919.
- V - 8-1 Intersection of SR 1919 (Stanley Road) and SR 1918 (Sandy Ford Road).
- V - 8-2 Pinewood Elementary School on N.C. Highway 273 south of entrance to Mt. Island Dam.

ENCLOSURE 5.3

List of Designated Limnological Sample Points

Huntersville Intakes - Sector D (East-Northeast) 2-3 miles.

Sample elevation - 742'

Accessible by land on SR 2145 (Norman Island Road)

Davidson Intakes - Sector B (North-Northeast) 5-6 miles.

Sample elevation - 736'

Accessible by land on SR 2195 (Torrence Church Road)

Charlotte Intakes - Sector I (South) 5-6 miles.

Sample elevation - 635' - Unit 1 intake

640' - Unit 2 intake

637' - Unit 3 intake

Accessible by land on SR 2004 (Mt. Holly-Huntersville Road)

NOTE: 1. Full lake elevation is 760'

2. Catawba River spillway elevation (for Charlotte intakes) is 647' 6"



ENCLOSURE 5.4

MAP of 10 mile Radius with Predetermined Survey Points.

ENCLOSURE 5.5

Each survey team shall be equipped with an emergency kit containing as a minimum, the following:

Victoreen 497 or Eberline E-520, and a Xetex Mod 305A  
SAM-2 with RD-22 probe  
Portable air sampler with Silver Zeolite (CP-100G) filter cartridges and particulate filters  
12VDC to 12VAC powerverter  
One Norton 7600 or MSA dual side cartridge type particulate mask per team member  
Emergency TLDs and high range personnel dosimeter  
Emergency radio transmitter/receiver  
Stopwatch  
Flashlight  
Protective Clothing  
Assorted poly bags  
Sample Bottles  
Limnological samplers  
Smears  
Survey Forms  
Potassium Iodide tablets  
Small change for telephone to station  
A copy of Station Health Physics Manual, Section 18.2 (Environmental Monitoring for Emergency Conditions)  
Map of Ten Mile Zone with Predetermined Sampling Locations

ENCLOSURE 5.6

Duke Power Company

McGuire Nuclear Station

AIR SAMPLING DATA SHEET AND COUNTING RESULTS

SAMPLING DATA

Collected by \_\_\_\_\_ Date \_\_\_\_\_  
 Time \_\_\_\_\_ Shift \_\_\_\_\_  
 Location: Building \_\_\_\_\_ Room \_\_\_\_\_ or Area \_\_\_\_\_  
 Operation: \_\_\_\_\_ Status Unit 1 \_\_\_\_\_ 2 \_\_\_\_\_  
 Count For: Gross Beta-Gamma \_\_\_\_\_ Alpha \_\_\_\_\_  
 Analyze For Special Isotopes: \_\_\_\_\_

COUNTING DATA

Counted by \_\_\_\_\_ Date \_\_\_\_\_  
 Counter Type and NO. \_\_\_\_\_  
 Counter Background and Efficiency:  
 Beta Gamma \_\_\_\_\_ cpm Effic. Factor \_\_\_\_\_  
 Alpha \_\_\_\_\_ cpm Effic. Factor \_\_\_\_\_

SAMPLE NO.	SAMPLING TIME		FLOW RATE cfm	SAMPLE VOLUME	
	START	STOP		TOTAL	x 0.02832
				cu ft	= m <sup>3</sup>

TIME OF COUNT min.	TOTAL COUNT	CORRECTED		dpm/m <sup>3</sup> 2.22 x 10 <sup>12</sup> uCi/ml
		Counts/m cc/m=cpm-bgi	dpm/m <sup>3</sup>	

Additional Information: \_\_\_\_\_  
 Action Taken or Required: \_\_\_\_\_

ENCLOSURE 5.7

Collection of Air Samples

- Sample #125  
Location: Below  
Settling Ponds  
Take the dirt road in front of Warehouse #5, go to the bottom of the incline and around to the right after passing the settling ponds. The sampler is at the top of the hill to the left of Chemistry's storage shed.
- Sample #134  
Location: East  
Lincoln Jr. High  
School  
Return to McGuire's main entrance and make a right onto Hwy #73. The school is located about 10 miles down Hwy #73 toward Lincolnton. The sampler is located is located behind a small brick building that is to the left of the school.
- Sample #133  
Location: Cornelius  
Substation  
Return to Hwy. #73, make a left and go into Cornelius. Make a left onto N. Main (where Hwy #73 ends) and then the first right that crosses the railroad track. Turn left onto Zion Street and then a right at the next corner. The sampler is inside the fenced-in area around the substation.
- Sample #121  
Location: Guard  
house at Technical  
Training Center  
Return to Hwy #73 and make a right. Proceed to McGuire's Construction entrance. Take the first dirt dirt road to the right after passing the Duke Power Environmental Laboratories. The sampler is on the hill across from the guard house at the new training center.
- Sample #120  
Location: Near  
H.P. Boat House  
Proceed up the dirt road and around to the left. The sampler is located just before the H.P. Boat House entrance on the left side of the road.

ENCLOSURE 5.7 (Cont.)

Collection of TLDs

- TLD #143-N Enter the McGuire Construction entrance and proceed to the guard house at the Technical Training Center. Turn left immediately after passing the guard house. Turn left on the first dirt road you come to, then right on the second dirt road you come to. Follow this road to the point. The TLD is in a white container on the point.
- TLD #144-NNE Return from the point and turn left where the two dirt roads intersect. Follow this road until it intersects the main dirt road. The TLD is located on your left, on the fence, at air sampling Site #120, near H.P. Boathouse.
- TLD #145-NE Return to the guard house at the Technical Training Center. The next TLD is located to the left of the guard house on the knoll, attached to the fence, at air sampling site #121.
- TLD #146-ENE Cross the discharge canal bridge. This TLD is located on the left, immediately after you cross the bridge, approximately 100 yards down the canal bank.
- TLD #147-E Return to the intersection, of the TTC road and the hard surface road (McGuire Construction entrance) and turn left. Turn left into the Systems Environmental Laboratory. This TLD is located on your right, on the fence, near the small blue storage building.
- TLD #148-ESE Return to the McGuire Construction entrance road and start heading away from the construction site. This TLD is located on your left on the last knoll approximately 25 feet into the woods, before you intersect Hwy. #73.
- TLD #149-SE At the intersection of Hwy. #73 and the McGuire Construction entrance turn right. The next TLD is located near the site fence approximately 25 feet off Hwy. #73 and approximately 300 feet east of the McGuire overlook entrance.
- TLD #150-SSE Enter the McGuire overlook. The next TLD is located west of the parking lot, on the site fence, in a white container.
- TLD #151-S Return to Hwy. #73, and enter the McGuire S.F. entrance. After entering the main gate, turn right so you are facing O.C. Gate #2. This TLD is located on the power pole, beside the power line tower, inside O.C. Gate #2. (Contact security at Ext. 460 to get this gate and all other O.C. gates opened.
- RLD #152-SSW Return to the McGuire S.P. entrance and turn right onto Hwy. #73. The next TLD is located on the RR right-of-way approximately 200 feet west of the S.P. entrance, in a white container.

ENCLOSURE 5.7 (Cont.)

- TLD #153-SW Re-enter the McGuire S.P. entrance and follow the road between the upper and lower parking lots. Immediately beyond the guard house turn left. Follow this road, below the chemistry settling ponds to O.C. Gate 5. Go through O.C. Gate 5, to a clearing on your left approx. half way down the road toward the continuous water sampler. The TLD is located in the clearing in a white container.
- TLD #154-WSW Exit O.C. Gate 5 and follow the road back around past the chemistry settling ponds. Turn left on the dirt road, just before the hard surface road begins. Follow this road through O.C. Gate 7 (Lower Dam Access). The TLD is located on the river bank, left of the bank area that is rocked. The TLD is in a white container.
- TLD #155-W The next TLD is located at the bottom of the earthen dam embankment near the end of the concrete wing wall of Cowan's Ford Dam. The first dirt road, (north of TLD site #154) leading to the bottom of the dam embankment, is used to arrive at TLD site #155.
- TLD #156-WNW Exit O.C. Gate #7 and go to the top of the dam embankment. Enter O.C. #10 and travel the length of the dam, until you reach the concrete dam portion of Cowan's Ford Dam. The TLD will be on your left.
- NOTE: TLD's for the 3-5 mile radius are numbered consecutively with one exception. Directions to TLD sites will be given in a clockwise direction beginning in the north sector, with TLD #157.
- TLD #157-N Exit McGuire S.P. entrance go east on Hwy. #73 until you intersect I-77. Go north on I-77. Take Exit #33 off I-77, turn left, cross back over I-77. Follow this road until it intersects S.R. 1100 (Brawley School Road). Turn left on S.R. 1100 and follow this road until it intersects S.R. 2160. Follow S.R. 2160 until you see the Duke Power sign at the Williamson Access area. The TLD is in a white container on the sign post.
- TLD #158-NNE Return to I-77 and head south. Take the Lake Norman-Cornelius exit (Hwy. #73) traveling west. At the intersection of S.R. 2189 (Bethel Church Road) and Hwy. #73 turn right. The TLD is on the last power pole on the left of Bethel Church Rd.
- TLD #159-NE Return to Hwy. #73, turn left, and turn left again on the road leading to Anchorage Marine shipyard at Holiday Harbor Marina. Follow this road to marina area. The TLD is on the power pole behind the shipyard building.

ENCLOSURE 5.7 (Cont.)

- TLD #160-ENE Return to Hwy. #73, turn left and follow Hwy. #73 until it crosses over I-77. Take your first right after crossing I-77. Follow Hwy. #21 until it intersects S.R. 2147. Anchorage Marine Showroom will be on the left. The TLD is on the fence around the showroom.
- TLD #161-E Return to Hwy. #21 and proceed south. The next TLD is located on the right on the main power pole that feeds the meter pole at the intersection of Hwy. #21 and Sam Furr Rd.
- TLD #162-ESE Continue south on Hwy. #21 until you intersect Gilead Rd. Turn right, cross over I-77 and continue on Gilead Rd. until you intersect S.R. 2139. Turn right on S.R. 2139. The TLD will be on the first power pole on your left.
- TLD #163-SE Go back to Gilead Rd., and turn left. At the intersection of McCoy (S.R. 2138) and Gilead Rd. turn right. Follow McCoy road until it intersects Hambright Rd. The TLD is on the right, inside the fence at the Duke Power substation just above the road intersection.
- TLD #164-SSE Turn around, go back to Hambright Rd. and turn left. Follow Hambright Rd. until it intersects Beatties Ford Rd. This TLD is located on the left power pole where these two road intersect.
- TLD #183-S  
(Control) Turn left at the above intersection. Follow Beatties Ford Rd. until it intersects S.R. 2004 (Mt. Holly - Huntersville Rd.) and turn right. Follow S.R. 2004 until it intersects S.R. 2001 (Pump Station Rd.) and turn right. Follow S.R. 2001 until it dead ends. The TLD is along the river bank just at the edge of the tall grass, in a white container.
- TLD #165-S Return to the intersection of Pump Station Rd. and Mt. Holly-Huntersville Rd. and turn right. Go to the intersection of Mt. Holly-Huntersville Rd. and Hwy #16 and turn right. After crossing the Catawba River bridge, into Gaston County, turn right on the road that leads down beside River Bend Steam Station (Power Plant Rd.). follow this road for approximately 2 miles. The TLD is on the power pole at the sharp bend (90°) in the road.
- TLD #166-SSW Turn around and come back up Power Plant Rd. The next TLD is located on your left, on the water tank, across from River Bend Steam Station.
- TLD #167-SW Return to Hwy. #16 and turn right. The next TLD is located on the right-hand side of the road behind the Lucia Volunteer Fire Department Bldg. It is in a white container, back at the edge of the trees.

ENCLOSURE 5.7 (Cont.)

- TLD #168-WSW Continue north on Hwy. #16 until it intersects S.R. 1511 (at the Lowesville road sign) and turn left. The TLD is located on your left, on the last power pole before crossing Killian Creek.
- TLD #169-W Return to Hwy. #16 and turn left. Follow Hwy. #16 until it intersects Kincaid Rd. (Kincaid Rd. is the road immediately north of Hills Chapel United Methodist Church on Hwy. #16). Turn left on Kincaid Rd. The TLD is located on the last power pole on your right at the end of the road.
- TLD #170-WNW Return to Hwy. #16, and turn left. Follow Hwy. #16 until it intersects Hwy #73. Turn left on Hwy. #73. Follow Hwy. #73 until it intersects S.R. 1386. Turn left on S.R. 1386. The TLD is located on the second utility pole on the right from the intersection.
- TLD #171-NW Return to Hwy. #73 and turn right. Follow Hwy. #73 until it intersects Hwy. #16 and turn left on Hwy. #16. The next TLD is located at the East Lincoln Rescue Squad Bldg. on the radio antenna pole. The rescue squad bldg. is on the right hand side of Hwy. #16N.
- TLD #172-NNW Continue north on Hwy. #16. Turn right on Fairfield Rd. in the West Port Community. Follow Fairfield Rd. until it intersects S.R. 1619. Turn left on S.R. 1619. Follow S.R. 1642, off of S.R. 1619. Turn left off of S.R. 1619, just before it dead ends. The TLD is located on the telephone pole in the front yard at the home of T. L. McConnell. The house will be on your left. The house number is 625.
- NOTE: TLD's well removed from the site, are numbered consecutively, with three exceptions. Direction to the TLD sites will be given in a counter clockwise direction, beginning in the north sector, with TLD #173.
- TLD #173-N Return to Hwy. #16, and turn right. Follow Hwy. #16N to the caution light in Denver and turn right. Follow Campground Rd. (into Catawba County) until it intersects S.R. 1899 (just past Barkley's Mini Market) and turn right. Follow S.R. 1899 until it intersects S.R. 1845 and turn left. Follow S.R. 1845 until it intersects S.R. 1981 and turn left. The TLD is located on the first power pole on your left, and in the front yard of M.S. Glover.
- TLD #174-WNW Return to the caution light in Denver and turn left. Follow Hwy. #16S until it intersects Hwy. #73 and turn right. Follow Hwy 73W. The next TLD is located at E. Lincoln Jr. High, west of the main campus beside the well house. The TLD is on the fence at air sampling site.



ENCLOSURE 5.7 (Cont.)

TLD #175-WNW

Return to Hwy. #73, turn right and follow Hwy. #73 until it joins Hwy. #27. Follow Hwy #27 into Boger City. At the intersection of Hwy. #27 and S.R. 1003 (in front of Carolina Shopping Center) turn back to the right. Follow S.R. 1003 until it intersects S.R. 1332 and turn left. Follow S.R. 1332 until it intersects S.R. 1500 and turn right. The TLD is located on the telephone pole in the back yard at the home of G. F. Terrell. His is the 8th house on the right of S.R. 1500.

TLD #176-SW

Return to Hwy. #27 and turn left. Follow Hwy. #27E through Stanley. At the intersection of Hwy. #27E and E. Dallas Rd. turn to the right. Follow E. Dallas Rd., until it intersects S. Main St. and turn left. Follow Hwy. #275 (to the right of Nichol's service station and grocery) until it intersects S.R. 2001 (dirt road) and turn left. Follow S.R. 2001 until it intersects S.R. 2393 (hard surface road) and turn left. The TLD is located on a cedar post in the back yard at the home of T. L. McGee. His is the 6th house on the left of S.R. 2393.

TLD #177-S

Return to Hwy. 27, turn right and follow Hwy. #27E through Mt. Holly, across the Catawba River back into Mecklenburg County. Where the Mt. Holly - Huntersville Rd. joins Hwy #27, turn back to your left. Follow the Mt. Holly-Huntersville Rd. until it intersects Hwy. #16 and turn to the right. Follow Hwy. #16S until it intersects Kentberry Dr. in the Coulwood Community and turn to the right. Turn left at the intersection of Kentberry and Belmorrow Dr. The TLD is located on the power pole in the front yard of J. R. Leonard. His address is 908 Belmorrow Dr.

TLD #178-SE

Return to Hwy. #16 and turn left. Follow Hwy. #16N until it intersects the Mt. Holly-Huntersville Rd. and turn right. Follow the Mt. Holly-Huntersville Rd. until it intersects Hwy. #11 (in Huntersville) and turn to the right. Follow Hwy. 115S until you come to Florida Steel in the Croft Community. The TLD is on the fence, inside the Duke Power substation to the right of Florida Steel, as you approach the plant.

TLD #179-ESE

Return to Hwy. #115 and turn left. Follow Hwy. 115N until it is joined by Eastfield Rd. Turn right on Eastfield Rd. Follow Eastfield Rd. until it intersects Prosperity Church Rd. Turn right on Prosperity Church Rd. The TLD is located approximately 2 miles down the road on the right, on the telephone pole in the front yard at the home of Dan Rains.

TLD #182-ENE

Return to Hwy. #115 and turn right. Follow Hwy. #115N into Cornelius. Turn right off of Hwy. 115N (just past the First Union National Bank) in front of Fred's Shoe Shop, then turn left on Zion St. The next TLD is located on the right, inside the Duke Power substation, at air sampling site 133.

ENCLOSURE 5.7 (Cont.)

TLD #181-NE

Return to Hwy. #115, and turn right. Follow Hwy. #115N until it intersects Potts St. (street just before railroad overpass) and turn left. Follow Potts Street until it intersects W. Walnut and turn left. The TLD is located on the power pole at the rear of the Davidson Water Works Bldg. The Davidson Water Works Bldg. will be the first bldg. on the right after turning on W. Walnut.

TLD #180-NE

Go to I-77. Follow I-77N until it intersects Hwy. 150. Follow Hwy. 150, to the right, off of I-77N. At the intersection of Hwy. 150 and 21 turn back to the left. Follow Hwy. 21N. The Mooresville Water Treatment Plant is on the left approximately .5 of a mile up Hwy. 21N. The TLD is on the telephone pole near the parking lot.

ENCLOSURE 5.8

PROCUREMENT OF HELICOPTERS FOR  
EMERGENCY ENVIRONMENTAL SURVEILLANCE

Inland Airways, Greenville, S.C., is under contract to Duke Power Company to furnish one helicopter upon request and an additional helicopter within six hours following notification. Once a helicopter is requested, there is a maximum elapsed time of three hours for the helicopter to arrive at Oconee or other dispatched locations.

Helicopter service is limited to daylight hours and adequate flying weather. The helicopters will hold three people, the pilot and two passengers. To perform surveys, instrumentation may limit the passenger space.

To obtain helicopter(s) for emergency service contact:

	<u>OFFICE</u>	<u>HOME</u>
1. D. M. Staggs*		
2. L. W. Johnson*		
3. L. M. Whisonant*		
4. B. A. Turpin*		

\* These contacts are in Duke Power Company Transmission Department, Line Division.



DUKE POWER COMPANY  
CRISIS MANAGEMENT PLAN  
IMPLEMENTING PROCEDURE 5.3.16

QUARTERLY INVENTORY

Rev. 3  
February 28, 1983

QUARTERLY INVENTORY PROCEDURE1.0 Purpose

1.1 To ensure that emergency supplies designated for use by the Crisis Management Organization are maintained up-to-date through a quarterly inventory.

2.0 References

2.1 Crisis Management Plan Section H

3.0 Limits and Precautions

3.1 None

4.0 Procedure

4.1 Between the 15th and the end of each of the following months, the Emergency Response Coordinator will send out a letter to groups listed below for an inventory of each of the listed kits or stored supplies.

Inventory Letters To Go Out In

March  
June  
September  
December

Groups Responsible For Inventory

Hp/Radwaste	Attachment 5.1
Admin. & Logistics-Medical	Attachment 5.2
Admin. & Logistics-Communications	Attachment 5.3
Admin. & Logistics-Trailer	Attachment 5.4
Admin. & Logistics-G.O. Stationary	Attachment 5.5
Scheduling/Planning	Attachment 5.6
Offsite Radiological Coordinator	Attachment 5.7

4.2 The letter to the group will indicate a date for completion of the inventory. This date will be no more than 30 days after the last day of the subject month indicated above.

4.3 All inventories performed will be attached to a copy of the letter transmitting the request and a copy of this procedure indicating a completion date and stored in the Emergency Response Coordinator's files as well as Wachovia Center - 15th floor master file.

5.0 Attachments

- 5.1 HP/Radwaste Emergency Kits
- 5.2 First Aid Supplies
- 5.3 CMC/CNC Communications Equipment
- 5.4 Registration Trailer Supplies
- 5.5 G.O. Stationary Supplies
- 5.6 Scheduling/Planning Maps & Decisional Aids
- 5.7 Offsite Radiological Coordinator Decisional Aids

## Attachment 5.1

QUARTERLY INVENTORY  
 HP/RADWASTE EMERGENCY KIT #1  
 Duke Power Company General Office

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
1. All Purpose Markers	<u>1</u>	—
2. Cotton Gloves-Bundle	<u>1</u>	—
3. Coins for Telephone-Roll of Dimes	<u>1</u>	—
4. Flashlight and Extra Batteries	<u>2</u>	—
5. KI Tablets (14 per Bottle)--Bottles	<u>19</u>	—
6. Marking Tape: 1" Roll; 2" Roll	<u>1</u> each	—
7. Protective Clothing: Coveralls, Disposable	<u>4</u>	—
8. Poly Bags	<u>6</u>	—
9. Radiation Waste Signs (4" x 6")	<u>25</u>	—
10. Caution: Radiation/Radioactive Material Tags	<u>6</u>	—
11. Respirator Mask w/Filters, (MSA)	<u>1</u>	—
12. Rubber Gloves, Pairs	<u>6</u>	—
13. Scotch Tape Roll and Dispenser	<u>1</u>	—
14. Surgeon's Gloves, Box	<u>1</u>	—
15. Wet Suit: Disposable	<u>1</u>	—
16. Weather-Proof Caution Signs w/inserts	<u>4</u>	—
17. <u>Box A</u>		
RM-14 w/DT-260 or DT-210 Probe	<u>1</u>	—
<u>Box B</u>		
Beta-Gamma Probe (Thyac-Victoreen) 390, 0-20 mR/hr)	<u>2</u>	—
Gamma Detection Instruments Ion Chamber) 0-1000 R/hr	<u>1</u>	—
<u>Box C</u>		
TLD Badges (& 1 Record Card)	<u>5</u>	—
Steno Pad with 2 Pencils	<u>1</u>	—
Personnel Dosimeters	<u>10</u>	—
Dosimeter Charger	<u>1</u>	—

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_



Attachment 5.1 (continued)  
 QUARTERLY INVENTORY  
 HP/RADWASTE EMERGENCY KIT #2  
 Duke Power Company General Office

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
1. Binoculars	<u>1</u>	—
2. Cotton Gloves, Bundle	<u>1</u>	—
3. Contact Pyrometers	<u>2</u>	—
4. Hard Hats	<u>3</u>	—
5. Hoods, Disposable	<u>4</u>	—
6. 50 yard roll of barricade type	<u>1</u>	—
7. Marking Tape: 1" roll	<u>1</u>	—
8. Nucon Smears	<u>25</u>	—
9. Protective Clothing: Coveralls, Disposable	<u>4</u>	—
10. Plastic Sample Bottles	<u>12</u>	—
11. Roll of Duct Tape	<u>1</u>	—
12. Rubber Shoe Covers, Pairs	<u>4</u>	—
13. Safety Glasses	<u>5</u>	—
14. Box of Small Kimwipes	<u>2</u>	—
15. Shoe Covers, Disposable Pairs	<u>6</u>	—
16. Step Off Pads	<u>3</u>	—
17. Surgeon's Caps, Disposable	<u>4</u>	—
18. Wet Suit, Disposable	<u>1</u>	—

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment 5.1 (continued)  
QUARTERLY INVENTORY  
HP/RADWASTE EMERGENCY KIT #3  
Duke Power Company General Office

	<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
1.	Tool Kit	<u>1</u>	—
2.	Portable Air Sampler	<u>1</u>	—
3.	Silver Zeolite Cartridges	<u>10</u>	—
4.	Copy of NAC-1 Drawings (Prints)	<u>1</u>	—
5.	Copy of Loading and Unloading Instructions	<u>1</u>	—
6.	Respirator Mask w/filters	<u>1</u>	—

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

## Attachment 5.2

## CRISIS MANAGEMENT

## QUARTERLY INVENTORY

## ADMINISTRATION AND LOGISTICS FIRST AID SUPPLIES

Location - Catawba Warehouse #2/Level A Storage

<u>Item</u>	<u>No. In Plan</u>	<u>No In Inventory</u>	<u>On Order</u>
2 x 2's	4 Boxes	_____	-----
4 x 4's	8 Boxes	_____	-----
8" x 7½" ABD's	2 Boxes	_____	-----
8" x 10" ABD's	2 Boxes	_____	-----
10" x 30" Multi-Trauma Dressing	24 each	_____	-----
2" x 3" Telfa Pads	2 Boxes	_____	-----
3" x 4" Telfa Pads	2 Boxes	_____	-----
2" x 3" Adhesive Telfa Pads	2 Boxes	_____	-----
3" x 4" Adhesive Telfa Pads	2 Boxes	_____	-----
2" Kling	1 Case	_____	-----
3" Kling	1 Case	_____	-----
4" Kling	1 Case	_____	-----
6" Kling	1 Case	_____	-----
2" Ace Elastic Bandages	2 Boxes	_____	-----
3" Ace Elastic Bandages	2 Boxes	_____	-----
4" Ace Elastic Bandages	2 Boxes	_____	-----
2" Coban	4 Boxes	_____	-----
3" Coban	4 Boxes	_____	-----
4" Coban	2 Boxes	_____	-----
½" Dermicel Cloth Tape	2 Boxes	_____	-----
1" Dermicel Cloth Tape	2 Boxes	_____	-----
2" Dermicel Cloth Tape	1 Box	_____	-----
1" Dermicel II Paper Tape	1 Box	_____	-----
1" Waterproof Adhesive Tape	1 Box	_____	-----
2" Waterproof Adhesive Tape	1 Box	_____	-----
Oval Eye Pads	1 Box	_____	-----
1" x 3" Coverlet Band-aids	4 Boxes	_____	-----
Coverlet Knuckle Dressings	4 Boxes	_____	-----

## Attachment 5.2 (continued)

<u>Item</u>	<u>No. In Plan</u>	<u>No. In Inventory</u>	<u>On Order</u>
Coverlet Large Digit Dressing	2 Boxes	—	----
Non-sterile Cotton Tipped Applicators	4 Boxes	—	----
Sterile Cotton Tipped Applicators	2 Boxes	—	----
Tongue Blades	1 Box	—	----
Burn Sheets	24 each	—	----
Disposable Ice Packs	48 each	—	----
Alumafoam Finger Splints	2 Boxes	—	----
Steri-Strips	2 Boxes	—	----
10-Pack 4 x 4's	10-10 packs	—	----
Visine	2 Btls.	—	----
Dacroise (Isotone)	4 Btls.	—	----
Neosporin Ophthalmic	2 Btls.	—	----
Vasocon-A	1 Btl.	—	----
Boric Acid Eye Ointment	3 Tubes	—	----
Zephiran Antiseptic	1 Gal.	—	----
Alcohol	3 Btls.	—	----
Hydrogen Peroxide	3 Btls.	—	----
Merthiolate	3 Btls.	—	----
Silvadene (1 lb.)	1 Jar	—	----
Neosporin	2 Boxes	—	----
Neosporin-G	1 Tube	—	----
Betadine Ointment	3 Boxes	—	----
Betadine Prep Swab	3 Boxes	—	----
Alcohol Prep Swab	4 Boxes	—	----
Betadine Scrub	1 Gal.	—	----
Tincture of Benzoin	1 Btl.	—	----
Oil of Cloves	1 Btl.	—	----
Topical Anesthetic	2 Cans	—	----
Irrigating Saline	6 Btls.	—	----
Aspirin	1 Btl.	—	----
Acetaminophen	1 Bag	—	----

## Attachment 5.2 (continued)

<u>Item</u>	<u>No. In Plan</u>	<u>No. In Inventory</u>	<u>On Order</u>
Maalox	2 Btls.	---	----
Pepto Bismol	2 Btls.	---	----
Ralk Splinter	1 Pr.	---	----
Bandage Scissors	2 Pr.	---	----
Kelly-Murphy Hemostat, Straight	1 Pr.	---	----
Kelly-Murphy Hemostat, Curved	1 Pr.	---	----
Halstead Mosquito Forceps, Straight	1 Pr.	---	----
Halstead Mosquito Forceps, Curved	1 Pr.	---	----
Bard-Parker Survival Handle, #3	1 each	---	----
Bard-Parker Blades, #11 & 15	2 Boxes	---	----
Ophthalmoscope	1	---	----
Thermometers, Oral	12 each	---	----
Folding Stretchers	4 each	---	----
C-Cell Flashlights	4 each	---	----
7½ Volt Lanterns	2 each	---	----
Maps from Charlotte to All Sites	1 each	---	----
Maps from Site to Nearest Hospital	1 each	---	----
Disposable Coveralls	8 Prs.	---	----
Safety Belts	2 each	---	----
3/4" Rope in 100 ft. Sections	2 sections	---	----
1/2" Rope in 50 ft. Sections	4 sections	---	----
Leather Gloves	8 Pr.	---	----
5 Gal. Drinking Water Containers	2 each	---	----
Meals Pre-Packed Food	48	---	----
2 Burner Propane Stove	1 each	---	----
Propane Gas	2 Btls.	---	----
Cots	2 each	---	----
Blankets	12 each	---	----
Hand Towels	24 each	---	----
Assorted Plastic Bags	24 each	---	----
Pot	1 each	---	----
Fry Pan	1 each	---	----

Attachment 5.2 (continued)

<u>Item</u>	<u>No. In Plan</u>	<u>No. In Inventory</u>	<u>On Order</u>
Paper Plates	1 Pkg. (100)	---	----
Styrofoam Cups	100	---	----
Knives, Forks & Spoons	1 Box	---	----

<u>Item</u>	<u>No. In Plan</u>	<u>No. In Inventory</u>	<u>On Order</u>
Full-Face Respirators	2 each	----	----
HEF Cartridge Filters	10 each	----	----

<u>Additional Items on Hand</u>	<u>No. In Inventory</u>
8 C-Cell Batteries	---
2 7½ Volt Batteries	---
1 30-cup coffee pot	---
4 extra disposable coveralls	---
1 emesis basin	---

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment 5.3  
 QUARTERLY INVENTORY  
 COMMUNICATIONS EQUIPMENT  
 McGuire CMC/CNC

<u>Room</u>	<u>Telephone/ Radio/Headphones</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>Recovery Manager/ Scheduling &amp; Planning</u>	-	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext. (spkr. phone)	_____	_____
	E.N.S. (red phone)	_____	_____
<u>Offsite Radiological Support</u>	Headphones from each room & lights	_____	_____
	radio system	_____	_____
	rinadown phone	_____	_____
	ext.	_____	_____
	ext.	_____	_____
<u>Administration &amp; Logistics</u>	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	Headphone & lights	_____	_____
<u>Data Coordination</u>	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
<u>Design &amp; Construction Technical Support</u>	Headphone & light	_____	_____
		_____	_____
<u>Radiological Support</u>	Headphone & light	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____

\*Operationally check one phone per room at each quarterly inventory.

Attachment 5.3 (continued)

QUARTERLY INVENTORY

COMMUNICATIONS EQUIPMENT

MCGUIRE CMC/CNC

<u>Room</u>	<u>Telephone/ Radio/Headphones</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>NRC/State/ Counties</u>		_____	_____
		_____	_____
		_____	_____
<u>News Staff</u>		_____	_____
		_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
<u>Media Lines</u>	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	ext.	_____	_____
	Headphones & light	_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

Inventory Performed By \_\_\_\_\_  
Date \_\_\_\_\_

\*Operationally check one phone per room at each quarterly inventory.



Attachment 5.3 (continued)

QUARTERLY INVENTORY

COMMUNICATIONS EQUIPMENT

OCONEE CMC

<u>Room</u>	<u>Telephone/ Radio/Headset</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>Recovery Manager/ Scheduling &amp; Planning</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext. (spkr. phone)	_____	_____
	Red Phone	_____	_____
	Headsets & lights	_____	_____
	From other rooms	_____	_____
<u>Radiological Support</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	Headset & light	_____	_____
<u>Technical Support/ Design &amp; Construction</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	Headset & light	_____	_____
<u>Offsite Radiological Coordinator</u>	Radio System	_____	_____
	Headset & light	_____	_____
	Ringdown phone	_____	_____
	plant ext.	_____	_____
<u>Administration &amp; Logistics</u>	plant ext.	_____	_____
	plant ext.	_____	_____

Attachment 5.3 (continued)

QUARTERLY INVENTORY

COMMUNICATIONS EQUIPMENT

OCONEE CMC

<u>Room</u>	<u>Telephone/ Radio/Headset</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>NRC/State/Counties</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
<u>Data Coordinators</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____

Inventory Performed By \_\_\_\_\_  
 Date \_\_\_\_\_

\*Operationally check one phone per room.

Attachment 5.3 (continued)

QUARTERLY INVENTORY

COMMUNICATIONS EQUIPMENT

OCCUPYEE CNC

<u>Room</u>	<u>Telephone</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>Crisis News Group</u>	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
	plant ext.	_____	_____
<u>State/County Public Information Officers</u>		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
<u>Media Lines</u>		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

\*Operationally check one phone per room.

Inventory Performed By \_\_\_\_\_  
Date \_\_\_\_\_

Attachment 5.3 (continued)

QUARTERLY INVENTORY

COMMUNICATIONS EQUIPMENT

LIBERTY OFFICE

<u>Room</u>	<u>Telephone</u>	<u>Inplace?</u>	<u>Operational?*</u>
<u>Recovery Manager/ Scheduling &amp; Planning</u>		_____	_____
<u>Crisis News</u>		_____	_____
		_____	_____
<u>Design &amp; Construction</u>		_____	_____
		_____	_____
<u>Technical Support</u>		_____	_____
		_____	_____
<u>Offsite Radiological Support</u>		_____	_____
		_____	_____
<u>Administration &amp; Logistics</u>		_____	_____
<u>Radiological Support</u>	_____	_____	
	_____	_____	
<u>NRC/State/Counties</u>	_____	_____	

\*Operationally check 4 of the 17 phones.

Inventory Performed by \_\_\_\_\_  
Date \_\_\_\_\_

## Attachment 5.4

## QUARTERLY INVENTORY

## ADMINISTRATION &amp; LOGISTICS EMERGENCY SUPPLIES

Location: In Dedicated Trailer

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
1. <u>Transportation</u>		
a. Spare Tires	<u>2</u>	---
b. Jack Stands	<u>8</u>	---
c. Plywood Pads	<u>8</u>	---
d. Screw Jacks	<u>8</u>	---
e. Screw Jacks Handles	<u>4</u>	---
f. Fire Extinguishers	<u>3</u>	---
g. Set of metal steps	<u>1</u>	---
h. Boxes of wooden wedges	<u>2</u>	---
i. 50 lb. box nails	<u>1</u>	---
2. <u>Commissary</u>		
a. Trash Cans and Lids	<u>22</u>	---
3. <u>Administration</u>		
a. 7½ volt batteries	<u>36</u> each	---
b. D size flash lights	<u>12</u>	---
c. 7½ volt lanterns	<u>24</u>	---
d. Spotlights	<u>25</u> each	---
4. <u>Security</u>		
a. Security Foot Locker	<u>1</u>	---
Contents: 6 volt batteries	<u>26</u>	---
Blinking beacons	<u>14</u>	---
D size directional flashlights	<u>10</u>	---
Vests	<u>9</u>	---

## Attachment 5.4 (continued)

## QUARTERLY INVENTORY

## ADMINISTRATION &amp; LOGISTICS EMERGENCY SUPPLIES

Location: In Dedicated Trailer

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
4. <u>Security (continued)</u>		
b. Road Barriers & Signs	<u>6</u>	—
c. Security Signs	<u>10</u>	—
5. <u>Communications</u>		
a. Cord Assemblies	<u>14</u>	—
b. Phones	<u>3</u>	—
c. Phone Amplifiers	<u>2</u>	—
6. <u>Human Resources</u>		
a. Wind Sock	<u>1</u>	—
7. <u>Other</u>		
a. Metal Sign Stands	<u>37</u>	—
b. Informational Signs	<u>27</u>	—
c. Small Informational Signs	<u>14</u>	—
8. <u>Accommodations</u>		
a. ID Camera	<u>1</u>	—
b. Extra Plate (Duke Power)	<u>1</u>	—
c. Plain Plate	<u>1</u>	—
d. Chairs	<u>16</u>	—
e. Wire Baskets	<u>6</u>	—
f. Hole Punchers	<u>2</u>	—
g. Pencil Sharpeners	<u>2</u>	—
h. Ink Pads	<u>2</u>	—

## Attachment 5.4 (continued)

## QUARTERLY INVENTORY

## ADMINISTRATION &amp; LOGISTICS EMERGENCY SUPPLIES

Location: In Dedicated Trailer

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
8. <u>Accommodations</u> (continued)		
i. Bottles of Ink	<u>3</u>	---
j. "Temporary" Stamps	<u>2</u>	---
k. "Press" Stamps	<u>2</u>	---
l. "Recovery Team" Stamps	<u>2</u>	---
m. Package of ID cards (Form 08027)	<u>1</u>	---
n. Box Insurance Info. Pouches	<u>1</u>	---
o. Boxes of Pouches	<u>3½</u>	---
p. Standard Box Staples	<u>1</u>	---
q. Broom	<u>1</u>	---
r. IBM Selectric Typewriter	<u>1</u>	---
s. Carolina Ribbon & Carbon	<u>3</u>	---
t. Ribbon for IBM Selectric	<u>1</u>	---
u. Boxes of Black Ball Point Pens	<u>2½</u>	---
v. Tape Dispensers	<u>2</u>	---
w. Liquid Paper	<u>4</u>	---
x. Pair Scissors	<u>1</u>	---
y. Telephone Directories		
-Seneca	<u>1</u>	---
-Charlotte	<u>1</u>	---
-Anderson	<u>1</u>	---
-Greenville	<u>1</u>	---
-Easley	<u>1</u>	---
-Statesville	<u>1</u>	---
-Concord	<u>1</u>	---
-Mooresville	<u>1</u>	---
-North Mecklenburg	<u>1</u>	---

## Attachment 5.4 (continued)

## QUARTERLY INVENTORY

## ADMINISTRATION &amp; LOGISTICS EMERGENCY SUPPLIES

Location: In Dedicated Trailer

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
8. <u>Accommodations</u> (continued)		
z. Dots (packages)		
-Red	<u>3</u>	---
-Navy	<u>2</u>	---
-Black	<u>2</u>	---
-Gold	<u>2</u>	---
-Light Blue	<u>2</u>	---
-Green	<u>2</u>	---
-Yellow	<u>3</u>	---
-Silver	<u>1</u>	---
aa. Boxes of Pencils	<u>2</u>	---
ab. Boxes of Spring Clips	<u>2</u>	---
ac. Pack of Rubber Bands	<u>1</u>	---
ad. Standard Pads	<u>7</u>	---
ae. Small Pads	<u>3</u>	---
af. 1 Roll (Partial) Filament Tape	<u>1</u>	---
ag. 1 Roll (Partial) 2 Sided Tape	<u>1</u>	---
ah. Blank ID Cards	<u>3</u> packs	---
ai. Training Packages	<u>199</u>	---
aj. Box Paper Clips	<u>1</u>	---
ak. Reams of Bond Paper	<u>1/2</u>	---
al. Boxes of Carbon Paper	<u>1</u>	---
am. Duophone 101 Electronic Telephone Amplifier System	<u>1</u>	---
an. ITT Desk Telephone	<u>1</u>	---



## Attachment 5.4 (continued)

## QUARTERLY INVENTORY

## ADMINISTRATION &amp; LOGISTICS EMERGENCY SUPPLIES

Location: In Dedicated Trailer

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
8. <u>Accommodations</u> (continued)		
ao. Motel Verification Forms	<u>200</u>	—
ap. Registration Forms	<u>200</u>	—
aq. Motel Room Assignment Forms	<u>200</u>	—
ar. Copies of Registration Forms	<u>200</u>	—
as. Motel Space Availability Forms	<u>45</u>	—
at. Screw Eyelets	<u>60</u>	—
au. Boxes with 2 @ Balkamp Fastners	<u>12</u>	—

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment 5.5  
 QUARTERLY INVENTORY  
 ADMINISTRATION & LOGISTICS EMERGENCY SUPPLIES  
 LOCATION: GENERAL OFFICE

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Letter Size File Folders	1 Box	_____
#10 Plain White Envelopes	100 ea.	_____
#10 Envelopes w/Charlotte Address	100 ea.	_____
Reusable Interoffice Envelopes	1 Box	_____
Steno Notebooks	12 ea.	_____
5 x 8 White Scratch Pads	24 ea.	_____
4 x 6 White Scratch Pads	12 ea.	_____
8½ x 11 Wht. Ruled Pads	12 ea.	_____
8½ x 11 Yellow Legal Pads	12 ea.	_____
Telephone Message Pads	20 Pads	_____
Ltr. Size Typewriter Carbon Paper	1 Box	_____
8½ x 11 Xerocopy Paper	2 pks.	_____
Blue Copy Sheets	1 pk.	_____
Yellow Copy Sheets	1 pk.	_____
Letterhead w/Char. Return Address	1 pk.	_____
Typewriter Ribbons (Cor. Selectric)	12 ea.	_____
Lift Off Tapes (for Cor. Selectric)	6 ea.	_____
White Correction Fluid	2 Btls.	_____
Typewriter Erasers	12 ea.	_____
#2 Pencils	48 ea.	_____
Black Med. Point Pens	36 ea.	_____
Blue Med. Point Pens	36 ea.	_____
Red Med Point Pens	36 ea.	_____
Scissors	2 ea.	_____
Vacuum Mount Pencil Sharpeners	4 ea.	_____
Desk Top Staplers	3 ea.	_____
Standard Staples	3 Bx.	_____
Staple Removers	4 ea.	_____

## Attachment 5.5 (continued)

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Medium Paper Clips	2 bx.	_____
Tape Erase w/Dispenser	2 ea.	_____
Transparencies	100 ea.	_____
Rubberbands (#18)	1 pack	_____
Letter Openers	2 ea.	_____
12" Wooden Rulers	10 ea.	_____
Legal Size Clipboard	1 ea.	_____
Letter Size Clipboard	1 ea.	_____
8½ x 14 Xerocopy Paper	1 pack	_____
File Folder Labels Wht. w/Blue	1 Bx.	_____
Name Tags (Hello My Name Is)	1 Carton	_____
Trash Can Liners	30 ea.	_____
Black China Markers	10 ea.	_____
Red - Watercolor Markers	12 ea.	_____
Blue - Watercolor Markers	12 ea.	_____
Black - Watercolor Markers	12 ea.	_____
Dictionary	1 ea.	_____
Wire Ltr. Size File Trays	15 ea.	_____
Disposable Ash Trays	1 Case	_____
Flashlight Batteries D Size	72 ea.	_____
Safety Wands	1 Bx.	_____
Flashlights	24 ea.	_____
Metal Name Card Holders	6 ea.	_____
Telecopiers	2 ea.	_____
Typewriter Table	1 ea.	_____
Bulldog Forms	1 bx.	_____
Envelope Containing Stamp Pads, Holders and ID Stamps for VISITOR CONSTRUCTION	1 ea.	_____
Wooden Placecard Holders and Placecards	1 Carton	_____

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment 5.6  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES  
 LOCATION: GENERAL OFFICE ROOM 1680

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Crisis Management Plan	<u>1</u>	<u>          </u>
Crisis Management Implementing Plans	<u>1</u>	<u>          </u>
Oconee Emergency Plan	<u>1</u>	<u>          </u>
McGuire Emergency Plan	<u>1</u>	<u>          </u>
Oconee Implementing Plan	<u>1</u>	<u>          </u>
Telephone	<u>3</u>	<u>          </u>
Speaker Telephone	<u>1</u>	<u>          </u>
McGuire CMC Directory	<u>4</u>	<u>          </u>
Oconee CMC Directory	<u>4</u>	<u>          </u>
G.O./McGuire/Oconee Directory	<u>4</u>	<u>          </u>
N.C. County Maps	<u>1 set</u>	<u>          </u>
S.C. County Maps	<u>1 set</u>	<u>          </u>
GA. County Maps	<u>1 set</u>	<u>          </u>
McGuire 10 Mile Radius Wall Map	<u>1</u>	<u>          </u>
Oconee 10 Mile Radius Wall Map	<u>1</u>	<u>          </u>
Oconee Wall Data Sheet-Set	<u>1</u>	<u>          </u>
Oconee Wall Aerial Photograph	<u>1</u>	<u>          </u>
Wall Trending Sheets	<u>3</u>	<u>          </u>
McGuire Wall Data Sheet-Set	<u>1</u>	<u>          </u>
McGuire Wall Data Sheet-Auxiliary	<u>1</u>	<u>          </u>
McGuire Wall Data Sheet Extension	<u>2 ea.</u>	<u>          </u>
McGuire Wall Aerial Photograph	<u>1</u>	<u>          </u>
Scheduling/Planning Manager's Kit	<u>1</u>	<u>          </u>

## Attachment 5.6 (continued)

## QUARTERLY INVENTORY

## SCHEDULING/PLANNING SUPPORT GROUP

## EQUIPMENT/SUPPLIES

LOCATION: GENERAL OFFICE ROOM 1680

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Large Company Mailers	<u>6</u>	<u>          </u>
Small Company Mailers	<u>6</u>	<u>          </u>
Administration/Logistics Manual	<u>1</u>	<u>          </u>
Empty File Folders	<u>10</u>	<u>          </u>
Masking Tape	<u>1 roll</u>	<u>          </u>
Telephone Message Pads	<u>6</u>	<u>          </u>
5x7 Paper Pads	<u>4</u>	<u>          </u>
3x5 Paper Pads	<u>4</u>	<u>          </u>
Chalk	<u>1 box</u>	<u>          </u>
Chalk Dispensers	<u>2</u>	<u>          </u>
Legal Paper Pads	<u>6</u>	<u>          </u>
Felt Tip Markers (Black)	<u>6</u>	<u>          </u>
Rubber Bands	<u>1 box</u>	<u>          </u>
Grease Pencils	<u>1 set</u>	<u>          </u>
Dry Erase Markers	<u>2 sets</u>	<u>          </u>
Transparent Tape	<u>2 rolls</u>	<u>          </u>
Transparent Tape Dispensers	<u>2</u>	<u>          </u>
N.C. State Map	<u>1</u>	<u>          </u>
S.C. State Map	<u>1</u>	<u>          </u>
GA. State Map	<u>1</u>	<u>          </u>
VA. State Map	<u>1</u>	<u>          </u>
Thumb Tacks	<u>2 boxes</u>	<u>          </u>
Paper Clips-Assorted	<u>1 box</u>	<u>          </u>
Water Color Markers	<u>1 set</u>	<u>          </u>
Blank Oconee Data Sheets	<u>1 file</u>	<u>          </u>
Blank McGuire Data Sheets	<u>1 file</u>	<u>          </u>
Table E-1 Message Forms	<u>1 file</u>	<u>          </u>
Dry-Erase Rags	<u>3</u>	<u>          </u>

## Attachment 5.6 (continued)

## QUARTERLY INVENTORY

## SCHEDULING/PLANNING SUPPORT GROUP

## EQUIPMENT/SUPPLIES

LOCATION: GENERAL OFFICE ROOM 1680

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
24 Hour Clocks	<u>1</u>	<u>          </u>
Stapler	<u>2</u>	<u>          </u>
Staples	<u>1 box</u>	<u>          </u>
Scissors	<u>2</u>	<u>          </u>
No. 2 Pencils	<u>1 box</u>	<u>          </u>
10 mile radius county overlay maps	<u>1 set</u>	<u>          </u>

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

## Attachment 5.6 (continued)

## QUARTERLY INVENTORY

## SCHEDULING/PLANNING SUPPORT GROUP

## EQUIPMENT/SUPPLIES

LOCATION: SCHEDULING/PLANNING MANAGER'S KIT

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Crisis Management Plan (CMP)	<u>1</u>	<u>          </u>
Crisis Management Implementing Plans	<u>1</u>	<u>          </u>
Oconee CMC Telephone Directory	<u>1</u>	<u>          </u>
McGuire CMC Telephone Directory	<u>1</u>	<u>          </u>
G.O./McGuire/Oconee Directory	<u>1</u>	<u>          </u>
Scheduling/Planning Manager's File	<u>1</u>	<u>          </u>
Scheduling Coordinator's File	<u>1</u>	<u>          </u>
Planning Coordinator's File	<u>1</u>	<u>          </u>
Performance Monitor's File	<u>1</u>	<u>          </u>
Clipboard/Pad	<u>1</u>	<u>          </u>
Large Envelopes	<u>8</u>	<u>          </u>
Small Envelopes	<u>3</u>	<u>          </u>
Large Company Mailers	<u>3</u>	<u>          </u>
Small Company Mailers	<u>3</u>	<u>          </u>
N.C. County Maps	<u>1 set</u>	<u>          </u>
S.C. County Maps	<u>1 set</u>	<u>          </u>
Telephone Message Pads	<u>2</u>	<u>          </u>
Chalk Marker	<u>1</u>	<u>          </u>
Pointer	<u>1</u>	<u>          </u>
Scissors	<u>1</u>	<u>          </u>
Transp. Tape/Dispenser	<u>1</u>	<u>          </u>
Rubber Bands	<u>1 bag</u>	<u>          </u>

Attachment 5.6 (continued)  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES

LOCATION: SCHEDULING/PLANNING MANAGER'S KIT

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
8½ x 11 Paper Pads	<u>3</u>	_____
Felt Tip Pen Set	<u>1</u>	_____
Paper Clips-No. 1	<u>1 box</u>	_____
Adhesive Note Pads	<u>1</u>	_____

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_



Attachment 5.6 (continued)  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES  
 LOCATION: MCGUIRE CRISIS MANAGEMENT CENTER

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
McGuire Emergency Plan	<u>1</u>	<u>          </u>
McGuire Implementing Plan	<u>1</u>	<u>          </u>
McGuire 10 Mile Radius Wall Map	<u>1</u>	<u>          </u>
McGuire Wall Data Sheets	<u>1 set</u>	<u>          </u>
Wall Trending Sheet	<u>1</u>	<u>          </u>
Large Company Mailers	<u>6</u>	<u>          </u>
Small Company Mailers	<u>6</u>	<u>          </u>
Empty File Folders	<u>10</u>	<u>          </u>
Masking Tape	<u>1 roll</u>	<u>          </u>
Telephone Message Pads	<u>6</u>	<u>          </u>
5x7 Paper Pads	<u>4</u>	<u>          </u>
3x5 Paper Pads	<u>4</u>	<u>          </u>
Chalk	<u>1 box</u>	<u>          </u>
Chalk Dispenser	<u>1</u>	<u>          </u>
8½x11 Paper Pads	<u>6</u>	<u>          </u>
Felt Tip Markers (Black)	<u>6</u>	<u>          </u>
Rubber Bands	<u>2 bags</u>	<u>          </u>
Grease Pencils	<u>1 set</u>	<u>          </u>
Dry Erase Markers	<u>2 sets</u>	<u>          </u>
Transparent Tape	<u>2 rolls</u>	<u>          </u>
Transparent Tape Dispensers	<u>2</u>	<u>          </u>
Thumb Tacks	<u>1 box</u>	<u>          </u>
Paper Clips-No. 1	<u>1 box</u>	<u>          </u>

## Attachment 5.6 (continued)

## QUARTERLY INVENTORY

## SCHEDULING/PLANNING SUPPORT GROUP

## EQUIPMENT/SUPPLIES

LOCATION: MCGUIRE CRISIS MANAGEMENT CENTER

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Paper Clips-Large	<u>1 box</u>	<u>          </u>
Water Color Markers	<u>1 set</u>	<u>          </u>
Blank McGuire Data Sheets	<u>1 file</u>	<u>          </u>
Table E-2 Message Forms	<u>1 file</u>	<u>          </u>
Dry Erase Rags	<u>2</u>	<u>          </u>
Stapler	<u>1</u>	<u>          </u>
Staples	<u>1 box</u>	<u>          </u>
Scissors	<u>2</u>	<u>          </u>
No. 2 Pencils	<u>1 box</u>	<u>          </u>
Water Bottle	<u>1</u>	<u>          </u>
10 mile radius Topo. wall map	<u>1</u>	<u>          </u>
50 mile radius Topo. wall map	<u>1</u>	<u>          </u>

Inventory Performed By: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment 5.6 (continued)  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES  
 LOCATION: OCONEE CRISIS MANAGEMENT CENTER

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Oconee Emergency Plan	<u>1</u>	<u>          </u>
Oconee Implementing Plan	<u>1</u>	<u>          </u>
Oconee 10 Mile Radius Wall Map	<u>1</u>	<u>          </u>
Oconee Wall Data Sheets	<u>1 set</u>	<u>          </u>
Wall Trending Sheet	<u>1</u>	<u>          </u>
Large Company Mailers	<u>6</u>	<u>          </u>
Small Company Mailers	<u>6</u>	<u>          </u>
Empty File Folders	<u>10</u>	<u>          </u>
Masking Tape	<u>1 roll</u>	<u>          </u>
Telephone Message Pads	<u>6</u>	<u>          </u>
5x7 Paper Pads	<u>4</u>	<u>          </u>
3x5 Paper Pads	<u>4</u>	<u>          </u>
Chalk	<u>1 box</u>	<u>          </u>
Chalk Dispenser	<u>1</u>	<u>          </u>
8½x11 Paper Pads	<u>6</u>	<u>          </u>
Felt Tip Markers (Black)	<u>6</u>	<u>          </u>
Rubber Bands	<u>2 bags</u>	<u>          </u>
Grease Pencils	<u>1 set</u>	<u>          </u>
Dry Erase Markers	<u>2 sets</u>	<u>          </u>
Transparent Tape	<u>2 rolls</u>	<u>          </u>
Transparent Tape Dispensers	<u>2</u>	<u>          </u>
Thumb Tacks	<u>1 box</u>	<u>          </u>
Paper Clips-No. 1	<u>1 box</u>	<u>          </u>

Attachment 5.6 (continued)  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES  
 LOCATION: OCONEE CRISIS MANAGEMENT CENTER

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Paper Clips-Large	<u>1 box</u>	<u>          </u>
Water Color Markers	<u>1 set</u>	<u>          </u>
Blank Oconee Data Sheet	<u>1 file</u>	<u>          </u>
Table E-1 Message Forms	<u>1 file</u>	<u>          </u>
Dry Erase Rags	<u>2</u>	<u>          </u>
Stapler	<u>1</u>	<u>          </u>
Staples	<u>1 box</u>	<u>          </u>
Scissors	<u>2</u>	<u>          </u>
No. 2 Pencils	<u>1 box</u>	<u>          </u>
Water Bottle	<u>1</u>	<u>          </u>

Inventory Performed By: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Attachment 5.6 (continued)

## QUARTERLY INVENTORY

## SCHEDULING/PLANNING SUPPORT GROUP

## EQUIPMENT/SUPPLIES

LOCATION: LIBERTY CRISIS MANAGEMENT KIT

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Oconee Emergency Plan	<u>1</u>	<u>          </u>
Oconee Implementing Plan	<u>1</u>	<u>          </u>
Oconee 10 Mile Radius Wall Map	<u>1</u>	<u>          </u>
Oconee Wall Data Sheets	<u>1 set</u>	<u>          </u>
Wall Trending Sheet	<u>1</u>	<u>          </u>
Large Company Mailers	<u>6</u>	<u>          </u>
Small Company Mailers	<u>6</u>	<u>          </u>
Empty File Folders	<u>10</u>	<u>          </u>
Masking Tape	<u>1 roll</u>	<u>          </u>
Telephone Message Pads	<u>6</u>	<u>          </u>
5x7 Paper Pads	<u>4</u>	<u>          </u>
3x5 Paper Pads	<u>4</u>	<u>          </u>
Chalk	<u>1 box</u>	<u>          </u>
Chalk Dispenser	<u>1</u>	<u>          </u>
8 1/2 x 11 Paper Pads	<u>6</u>	<u>          </u>
Felt Tip Markers (Black)	<u>6</u>	<u>          </u>
Rubber Bands	<u>2 bags</u>	<u>          </u>
Dry Erase Markers	<u>1 set</u>	<u>          </u>
Transparent Tape	<u>2 rolls</u>	<u>          </u>
Transparent Tape Dispensers	<u>2</u>	<u>          </u>
Thumb Tacks	<u>1 box</u>	<u>          </u>
Paper Clips-No. 1	<u>1 box</u>	<u>          </u>

Attachment 5.6 (continued)  
 QUARTERLY INVENTORY  
 SCHEDULING/PLANNING SUPPORT GROUP  
 EQUIPMENT/SUPPLIES  
 LOCATION: LIBERTY CRISIS MANAGEMENT KIT

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
Paper Clips-Large	<u>1 box</u>	<u>          </u>
Water Color Markers	<u>1 set</u>	<u>          </u>
Blank Ocone Data Sheets	<u>1 file</u>	<u>          </u>
Table E-1 Message Forms	<u>1 file</u>	<u>          </u>
Dry Erase Rags	<u>2</u>	<u>          </u>
Stapler	<u>1</u>	<u>          </u>
Staples	<u>1 box</u>	<u>          </u>
Scissors	<u>2</u>	<u>          </u>
No. 2 Pencils	<u>1 box</u>	<u>          </u>
Water Bottle	<u>1</u>	<u>          </u>

Inventory Performed By: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Attachment 5.7

## QUARTERLY INVENTORY

## OFFSITE RADIOLOGICAL COORDINATOR DECISIONAL AIDS

<u>Item</u>	<u>Number In Plan</u>	<u>Number In Inventory</u>
McGuire Dose Assessment Procedures	<u>1 each</u>	<u>          </u>
Oconee Dose Assessment Procedures	<u>1 each</u>	<u>          </u>
Dose Calculation and Reporting Forms	<u>15</u>	<u>          </u>
RIA/EMF Descriptions And Correlations For Each Station	<u>1</u>	<u>          </u>
Portable Battery Operated Calculator	<u>1</u>	<u>          </u>
Offsite Dose Calculation Manual	<u>1</u>	<u>          </u>
Reg. Guide 1.4 - Release Factors	<u>1</u>	<u>          </u>
Site Specific Info. (Containment Volume, Core F.P. Inventory)	<u>1</u>	<u>          </u>
10 mile radius map - Oconee	<u>1</u>	<u>          </u>
10 mile radius map - McGuire (Maps to include monitoring points, regular environmental sampling sites, evacuation zones)	<u>1</u>	<u>          </u>
Plume Shape Overlays For Maps	<u>1 set</u>	<u>          </u>
Pencils	<u>5</u>	<u>          </u>
Pens	<u>5</u>	<u>          </u>
Pads of Paper	<u>5</u>	<u>          </u>
18" Ruler	<u>1</u>	<u>          </u>
Stapler	<u>1</u>	<u>          </u>
Radiological Health Handbook	<u>1</u>	<u>          </u>
G.O. Phone Directory	<u>1</u>	<u>          </u>
Form 34966	<u>10</u>	<u>          </u>

Inventory Performed By: \_\_\_\_\_  
Date: \_\_\_\_\_