DUKE POWER COMPANY

CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS

June 15, 1984

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DOSE ASSESSMENT
IMPLEMENTING PROCEDURES MANUAL

June 15, 1984

ONS HP/O/B/1009/10	Procedure for Quantifying Gaseous Releases Through Steam Relief Valves Under Post-Accident Conditions
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
5.3.19	Procedure for Estimating Food Chain Dose under Post-Accident Conditions
CNS RP/O/B/5000/12	Control of Assessment and Repair Teams
CNS HP/O/B/1009/06	Alternative Method for Determining Dose Rate Within the Reactor Building
CNS HP/O/B/1009/12	Quantifying Gaseous Releases Through Steam Relief Valves under Post-Accident Conditions
CNS HP/O/B/1009/13	Offsite Dose Projection - Uncontrolled Release of Gaseous Radioactive Material Through the Unit Vent
CNS HP/O/B/1009/14	Offsite Dose Projection - Uncontrolled Release of Liquid Radioactive Material
CNS HP/O/B/1009/15	Offsite Dose Projection - Uncontrolled Release of Gaseous Radioactive Material Other Than Through the Unit Vent

CRISIS MANAGEMENT PLAN

IMPLEMENTING PLANS

5.3.6 - Nuclear Technical Services Group

Rev. 12

June 15, 1984

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2. Nuclear Engineering Services 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 Technical Services Support Section.

B. Technical Services Support Director

Reports to: Nuclear Technical Services Manager

Supervises: Technical Services Support Staff

Basic Functions:

Defines, directs, and coordinates efforts of staff and advises Nuclear Technical Services Manager with regard to on-site radiological and chemistry conditions and the need for any action.

Primary Responsibilities:

1. Direct the activities of the Technical Services Support Staff.

2. Advise Nuclear Technical Services Manager of results and recommendations of Technical Services Support Staff.

3. Advise Nuclear Technical Services manager of existing and potential radiological conditions in the plant.

Principle Working Relationships:

1. Nuclear Technical Services Manager regarding activities or recommendations of the Technical Services Support Section.

2. Scheduling/Planning Manager regarding the implementation of Technical Services Support activities.

2. Assure adequate staffing and resources to provide necessary support to Nuclear Technical Services Manager in off-site radiological matters.

3. Review staff results and recommendations and draw conclusions concerning off-site radiological conditions.

4. Advise Nuclear Technical Services Manager of existing and potential radiological conditions and recommend protective measures.

Principal Working Relationships:

1. Technical Support Center personnel & Nuclear Technical Services Manager regarding status of actual 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. Federal agencies regarding off-site conditions.

6. Arrange for radiological surveillance by airborne monitoring teams.

H. 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.

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.

III. GROUP ACTIVATION

A. Nuclear Technical Services 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. Technical Services Support Section

Notification will be by the Nuclear Technical Services 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 CMC for Oconee Nuclear Station, W. A. Haller, R. T. Simril, L. P. Moss, J. G. Weinbaum, R. C. Futrell, G. M. Barker, and J. I. Wyant shall proceed to the specified CMC. All other personnel shall report to Wachovia Center room 2390. The Technical Services Support Director will assume the responsibilities of the Group Manager until the nearsite or backup CMC is activated. Notification of an emergency or accident situation at McGuire or Catawba will cause all group personnel to report to WC-2390 except for the Nuclear Technical Services Manager who will report to the Recovery Manager in room WC-1010.

The Station Health Physicist is the person designated for Technical Services Support 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 Nuclear Technical Services 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 1222 of the Wachovia Center for McGuire and Catawba or at the Oconee Training Center, or the Liberty, South Carolina retail office for Oconee.

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

For McGuire:
(a) M. D. Thorne
(b) 2 Vendor supplied engineer/ professionals

(3) Dosimetry Service - 9

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

(4) Training and Respiratory Fitting - 3

(a) 3 Technicians Oconee, Catawba, or McGuire supplied

(5) Instrument Calibration (long term) - 2

(a) 2 Technicians Oconee, Catawba, or McGuire supplied.

b. Radwaste

(1) Coordinator - 1

(2) Planning/Engineering - 3

For Oconee
(a) D. L. Vaught
(b) M. S. Terrell

For McGuire
(a) D. L. Vaught
(b) D. J. Crama
(c) B. Wood

For Catawba
(a) D. L. Vaught
(b) M. S. Terrell
(c) D. J. Crama

(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 Oconee or McGuire supplied

c. Chemistry

(1) Coordinator - 1

(2) Sample Collection - 10

(a) 10 Technicians Oconee, Catawba, or McGuire supplied

(b) 7 alternates: P. W. Downing
C. L. Hathcock
W. M. Funderburke
S. Biswas
T. P. Lee
M. Neill
G. Barker

(3) Data Evaluation - 3

(a) R. Clark (Nuclear Engineering Services)
(b) 1 Westinghouse representative for McGuire
(c) 1 B&W representative for Oconee

(4) Special Projects - 8

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

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. Technical Services Emergency Kits

Technical Services Emergency Kits are located in Room 2374 of Wachovia Center. Should the near-site CMC at Oconee 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 Technical Services and S. M. Kessler in Administration and Logistics.

TABLE 1

NUCLEAR TECHNICAL SERVICES GROUP

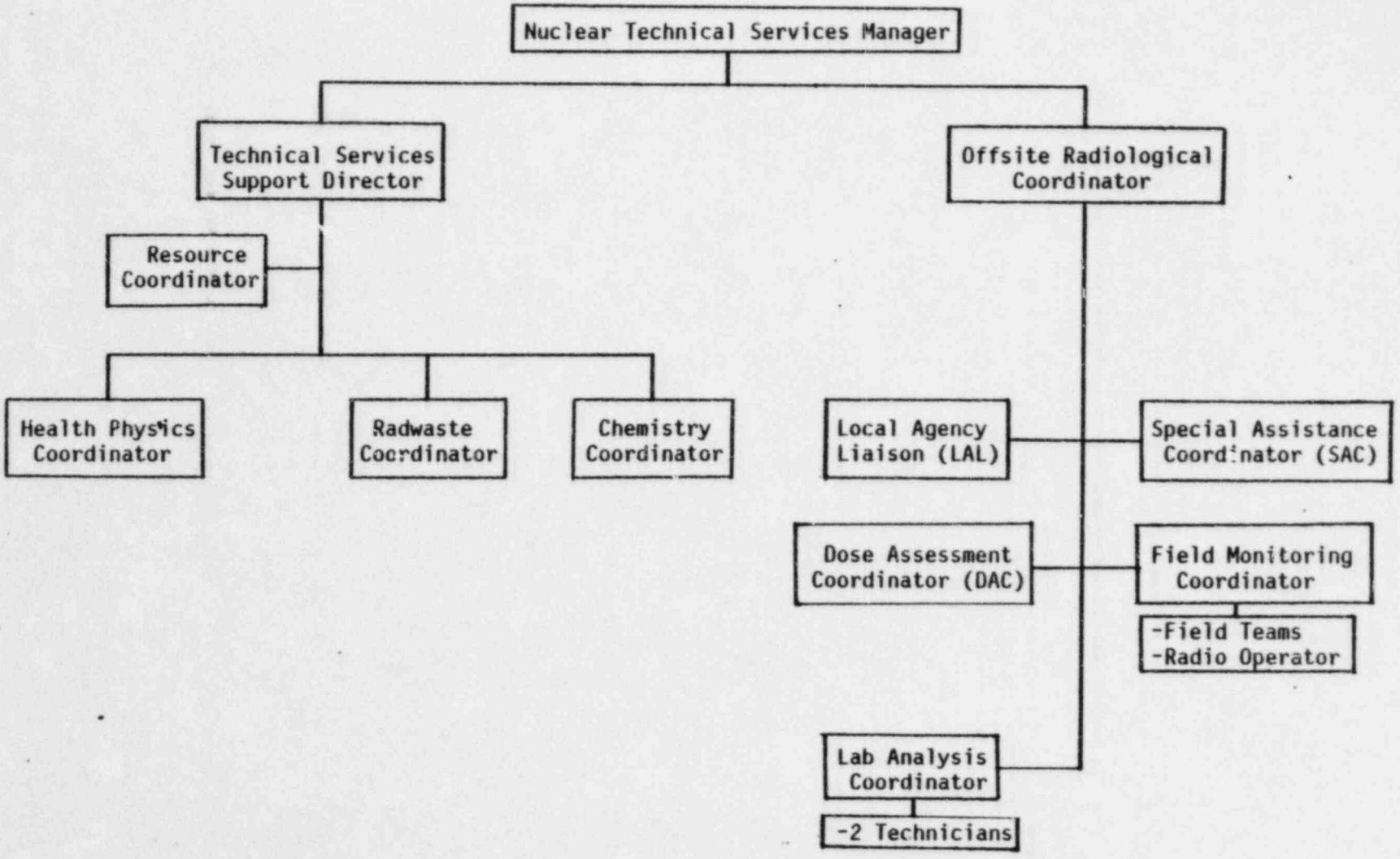


TABLE 2

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Manager	W. A. Haller		
	R. C. Futrell		
	L. Lewis		
	R. T. Simril		
Technical Services Support Director	J. E. Cole		
Resource Coordination	J. I. Wyant		
	R. B. Baker		
Health Physics Coordinator	C. L. Thames		
	D. T. Parsons		
	J. G. Weinbaum		
	G. P. McCranie		
Radwaste Coordinator	M. L. Birch		
	D. L. Vaught		
	R. M. Propst		
	H. J. Dameron		
	M. S. Terrell		
	C. F. Lan		
	J. M. Stewart		
Chemistry Coordinator	R. W. Baker		
	S. Biswas		
	W. M. Funderburke		
	P. W. Downing		
	G. M. Barker		

TABLE 2 (cont'd)

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Health Physics Support			
	R. L. Clemmer		
	M. D. Thorne		
	Gary Terrell		
Radwaste Support			
	B. Wood		
	J. Thornton		
	M. G. Kriss		
Chemistry Support			
	C. L. Hathcock		
	J. C. Morcock		
	T. P. Lee		
	M. W. Neil		
Resource Coordination Support			
	J. C. Wimbish		
	L. Moss		
Off-Site Radiological Coordinator			
Primary:	L. Lewis (All)		
	F. G. Hudson (All)		
Alternates:	W. P. Deal (MNS or ONS)		
	C. T. Yongue (MNS or CNS)		
	T. J. Keane (ONS or CNS)		

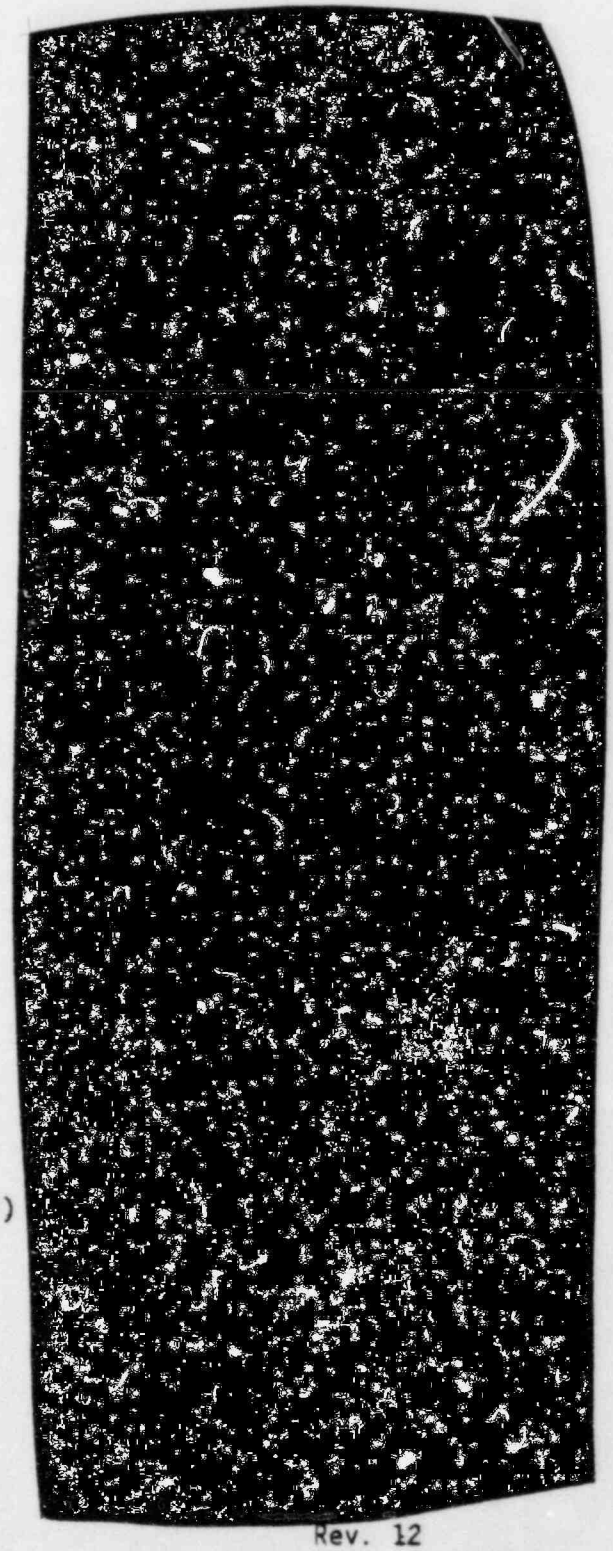


TABLE 2 (cont'd)

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Field Monitoring Coordinator			
Primary:	J. M. Ferguson (All)		
Alternates:	J. J. Sevic (Oconee)		
	C. V. Wray (Catawba)		
Laboratory Analyses Coordinator			
Primary:	J. S. Isaacson (All)		
Alternates:	G. T. Mode (ONS or MNS)		
	W. F. Byrum (ONS or CNS)		
Technicians:	B. A. Broadway (All)		
	Jesse Arias (All)		
	Linda McDermid (All)		
Dose Assessment Coordinator			
Primary:	R. E. Sorber (All)		
	H. D. Brewer (All)		
	M. J. Geer (All)		
	L. J. Azzarello (All)		
Alternates:	D. J. Berkshire (MNS or CNS)		

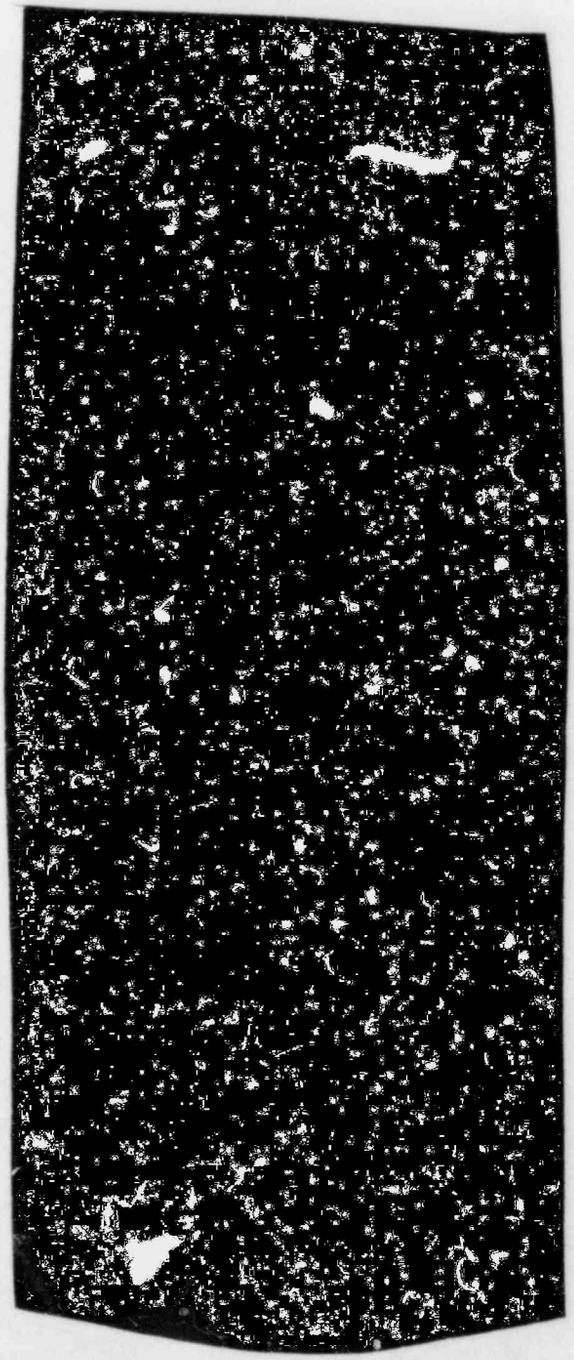


TABLE 2 (cont'd)

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Dose Assessment Coordinator (cont'd)			
Alternates:	G. L. Courtney (MNS or ONS)		
	S. A. Coy (MNS or CNS)		
	C. L. Harlin (MNS or CNS)		
	R. D. Kinard (MNS or ONS)		
	W. B. McRee (All)		
	Cathy Crupa		
	P. N. McNamara (ONS or MNS)		
	Cindy Martineck		
Consultants:	S. T. Apple (All)		
	M. A. Casper (All)		

NOTE: Each shift requires 3 dose assessment staff members.

Special Assistance Coordinator			
Primary:	S. T. Rose		
	J. Crumpler		
	W. C. Barker		
Alternates:	J. W. Cox (ONS or MNS)		
	M. Sample (ONS or CNS)		

TABLE 2 (cont'd)

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Special Assistance Coordinator (cont'd)			
	F. N. Mack (ONS or MNS)		
	E. Estep (ONS or CNS)		
Alternates:	R. T. Bond (MNS or CNS)		
Radio Operator			
Primary:	J. Painter		
	S. A. Gewehr		
	R. Ouellette		
Alternates:	R. L. Rivard (ONS or MNS)		
	G. Sain (MNS or CNS)		
	J. Head (MNS or CNS)		
	S. E. LeRoy (ONS or CNS)		
	G. M. Harrison (ONS or CNS)		

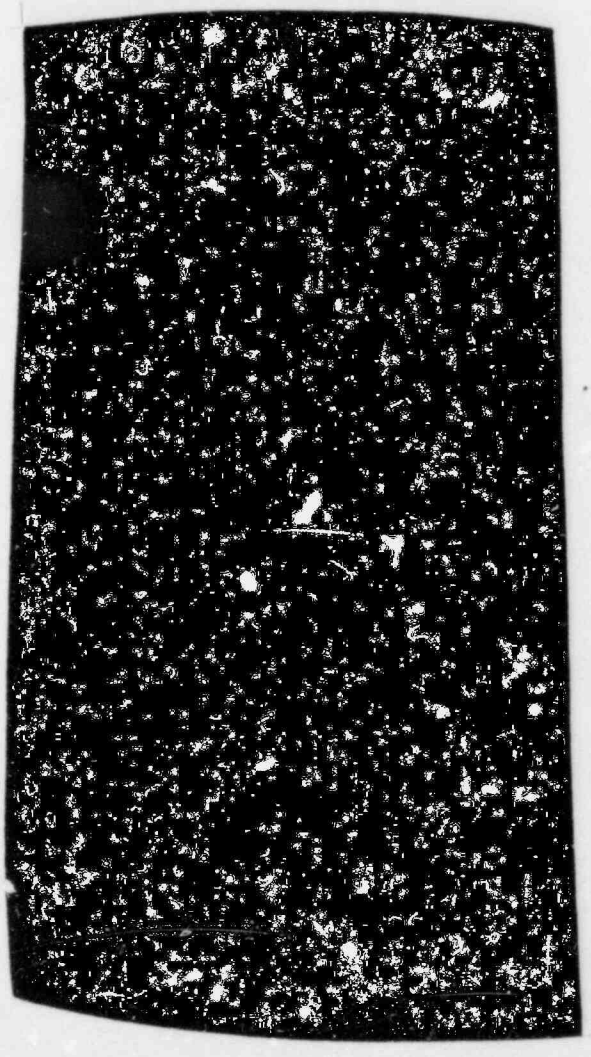


TABLE 2 (cont'd)

NUCLEAR TECHNICAL SERVICES GROUP PERSONNEL

Position	Name	Business Phone	Home Phone
Local Agency Liaison			
Primary:	R. A. Harris (All)	[redacted]	
Alternates:	W. McDowell		
REACTS -	Karl Hubner		

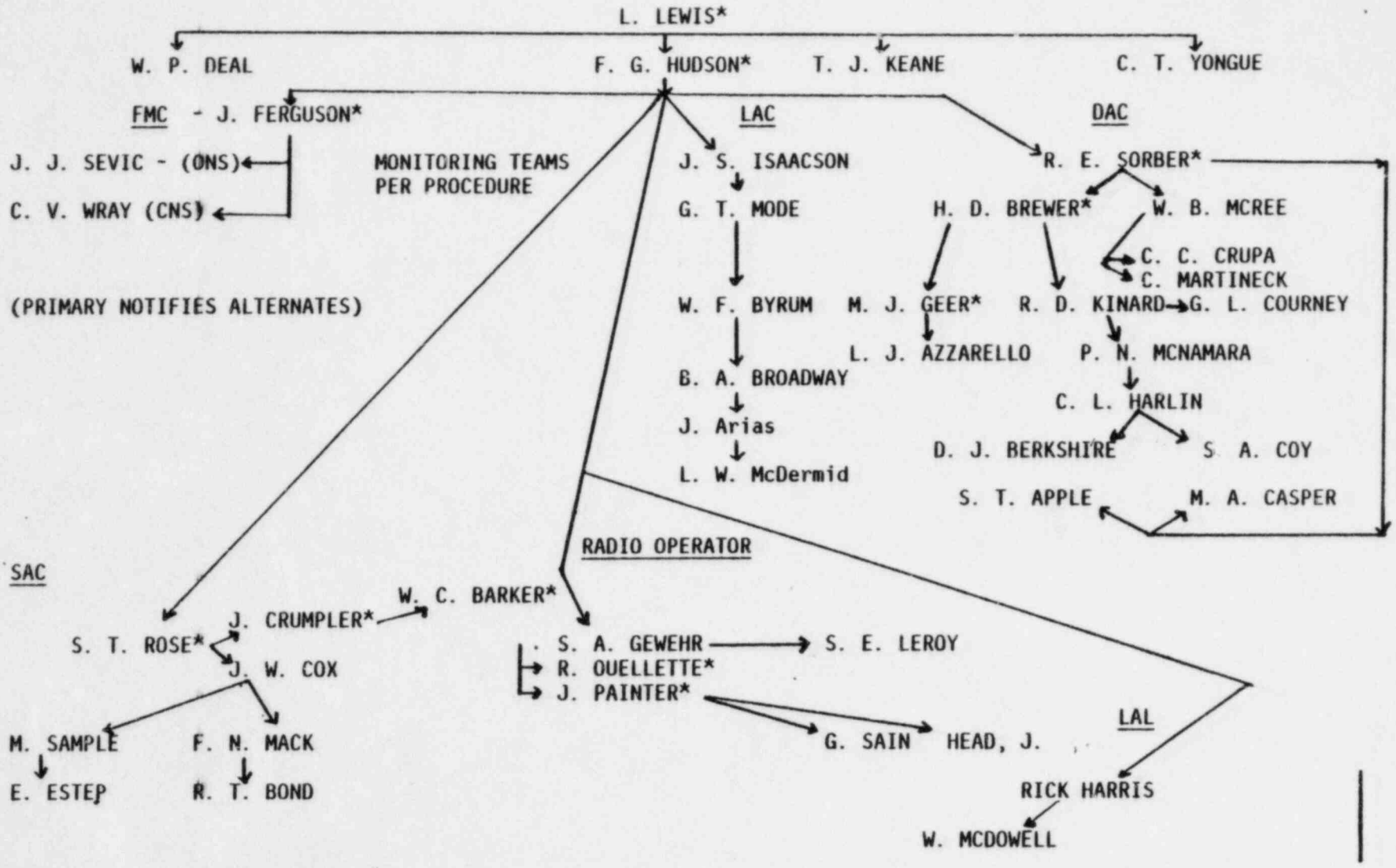
To obtain helicopter(s) for emergency service contact:

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

[redacted]

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

TABLE 4 OFF-SITE RADIOLOGICAL SUPPORT "CALL TREE"



*Indicates primary response to the G.O. for McGuire or Catawba emergencies.

CRISIS MANAGEMENT PLAN

IMPLEMENTING PROCEDURE

5.3.16

QUARTERLY INVENTORY/COMMUNICATIONS EQUIPMENT CHECK

Rev. 8

June 15, 1984

Attachment 5.5

QUARTERLY INVENTORY

SCHEDULING/PLANNING SUPPORT GROUP

EQUIPMENT/SUPPLIES

LOCATION: GENERAL OFFICE ROOM WC-1010 - LOCKED CABINET

Item	Number In Plan	Number In Inventory
Crisis Management Plan	1	
Crisis Management Implementing Plans	1	
Oconee Emergency Plan	1	
McGuire Emergency Plan	1	
Oconee Implementing Plan	1	
Telephone	3	
Speaker Telephone	1	
McGuire CMC Directory	4	
Oconee CMC Directory	4	
G.O./McGuire/Oconee Directory	4	
McGuire 10 Mile Radius Wall Map	1	
Oconee 10 Mile Radius Wall Map	1	
Preformed Wall Trending Graphs	5	
Blank Wall Trending Graphs	2	
Scheduling/Planning Manager's Kit	1	
Summary Wall Data Sheets	2	

Attachment 5.5 (continued)

QUARTERLY INVENTORY

SCHEDULING/PLANNING SUPPORT GROUP

EQUIPMENT/SUPPLIES

LOCATION: GENERAL OFFICE ROOM WC-1010 - LOCKED CABINET

Item	Number In Plan	Number In Inventory
Empty File Folders	10	
Telephone Message Pads	6	
5x7 Paper Pads	4	
3x5 Paper Pads	4	
Chalk	1 box	
Chalk Dispensers	2	
Legal Paper Pads	6	
Felt Tip Markers (Black)	6	
Rubber Bands	1 box	
Grease Pencils	1 set	
Dry Erase Markers	2 sets	
Transparent Tape	2 rolls	
Transparent Tape Dispensers	2	
Thumb Tacks	2 boxes	
Paper Clips-Assorted	1 box	
Table E-1 Message Forms	1 file	
Dry-Erase Rags	3	
Blank Data Sheets	20	
Blank Data Summary Sheets		

Attachment 5.5 (continued)

QUARTERLY INVENTORY

SCHEDULING/PLANNING SUPPORT GROUP

EQUIPMENT/SUPPLIES

LOCATION: GENERAL OFFICE ROOM WC-1010 - LOCKED CABINET

Item	Number In Plan	Number In Inventory
Stapler	2	
Staples	1 box	
Scissors	2	
No. 2 Pencils	1 box	

Inventory Performed By: _____

Date: _____

Attachment 5.5 (continued)

QUARTERLY INVENTORY

SCHEDULING/PLANNING SUPPORT GROUP

EQUIPMENT/SUPPLIES

LOCATION: SCHEDULING/PLANNING MANAGER'S KIT-P.H. BARTON'S OFFICE

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

May 15, 1984

TO: All Design and Construction Support Personnel

SUBJECT: Crisis Management
Design and Construction Support Group
Plan Revision
File: NUC-0306

Attached are copies of Revision 14 to our group plan. The plan has recently been retyped on a word processor in order to facilitate future revisions. Please update your copies of the plan by replacing the entire contents with the attached.

Primary changes for this revision are as follows:

1. The Staff Administrators reporting to EC3/32 have been assigned responsibility for checking out stick files of General Arrangement Drawings, Mechanical Flow Diagrams and Electrical Power System One-Line Drawings from the Electrical Division File Room, EC3/60-8, and bringing them to EC3/32 at the start of a crisis or exercise.
2. K. R. Caraway and T. A. Ledford have been added for Electrical Division support.
3. R. H. Waltman has been removed due to his retirement.
4. M. G. Laroque replaces G. D. Blevins as a Staff Administrator for EC3/32.
5. W. I. Reardon replaces T. B. Bright for Construction support at Catawba.

The 1984 exercise for Oconee is scheduled for June 21. The Crisis Management Team will not participate in this exercise. County officials will participate; state officials will not. A medical and a fire drill will be held on June 20.

Please call B. J. Dolan at extension [redacted] if you have any questions regarding the plan revision or the upcoming exercise.

J. L. Elliott, Principal Engineer
Safety Review, Analysis, and Licensing Division

BJD/kp

Attachments

DUKE POWER COMPANY

CRISIS MANAGEMENT ORGANIZATION

FOR

NUCLEAR STATIONS

DESIGN & CONSTRUCTION SUPPORT GROUP PLAN

OCONEE NUCLEAR STATION

MCGUIRE NUCLEAR STATION

CATAWBA NUCLEAR STATION

APPROVED: DESIGN & CONSTRUCTION SUPPORT GROUP MANAGER

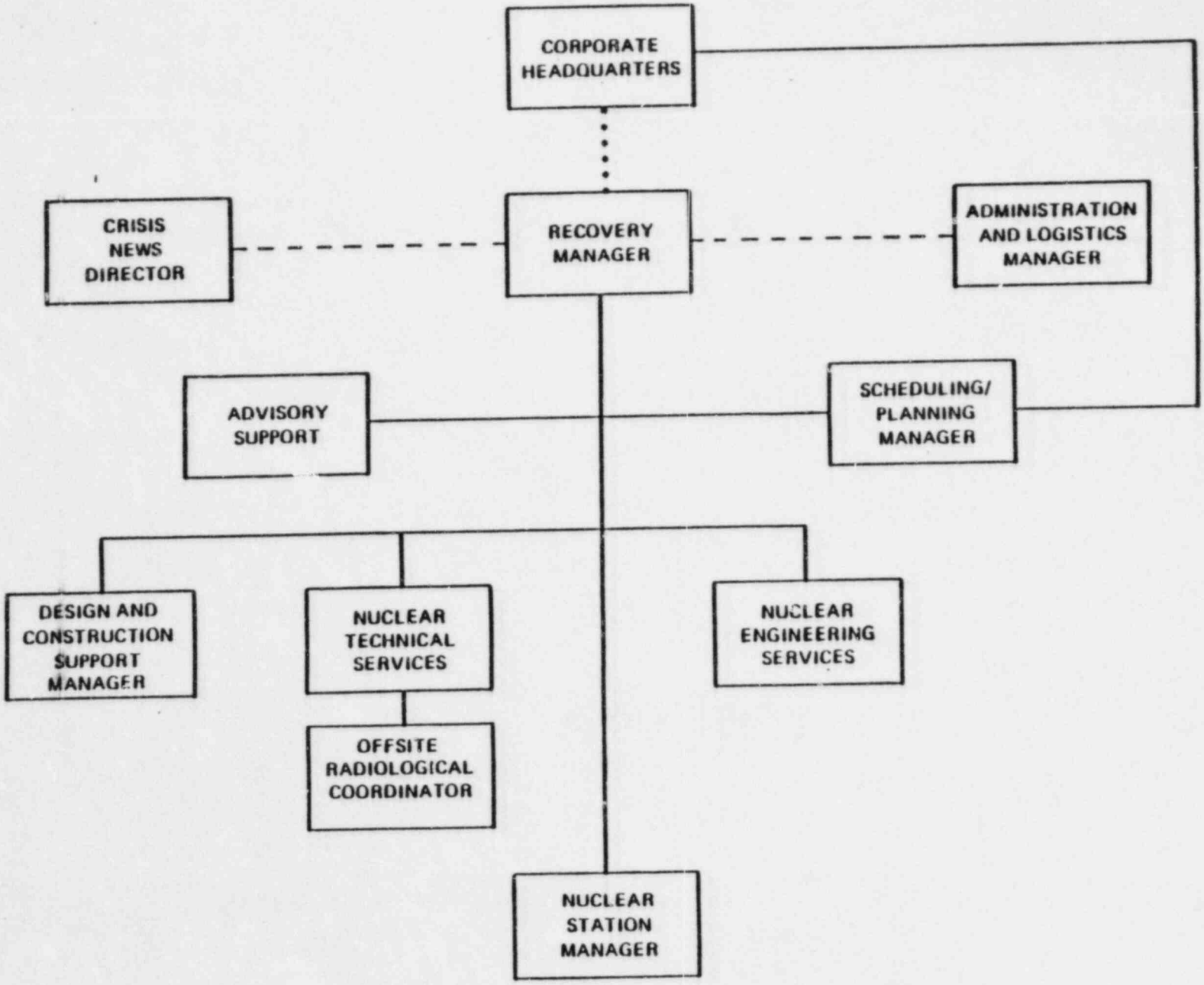
REVISION 14 - 05/01/84

DESIGN AND CONSTRUCTION SUPPORT GROUP

TABLE OF CONTENTS

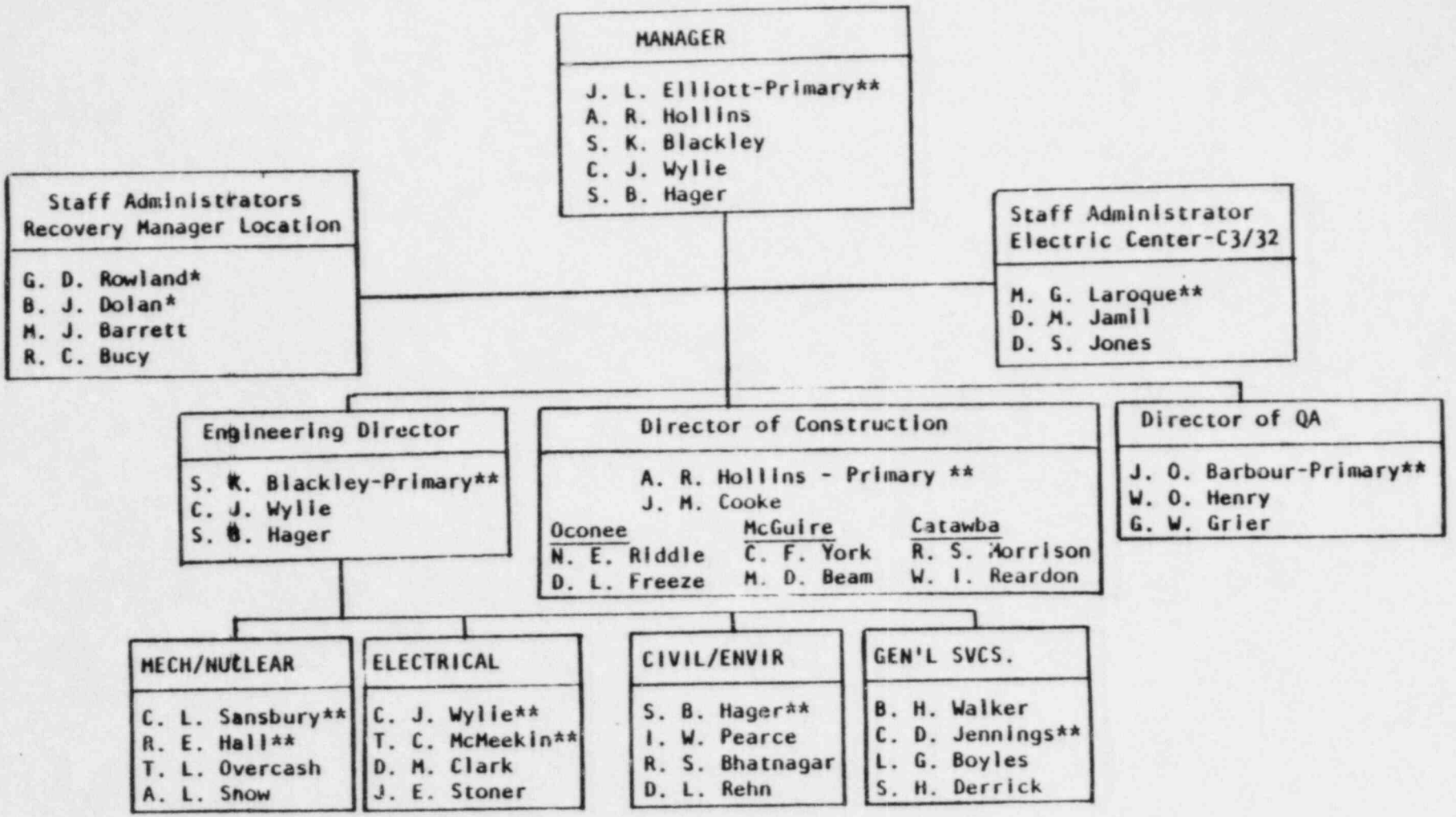
I. Scope

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.



* CORPORATE POLICY INPUT

DESIGN & CONSTRUCTION SUPPORT GROUP



* Report to location designated by Recovery Manager at time of notification (see page 12 - Emergency Facilities)

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

NOTE: No person will serve as primary in two places

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

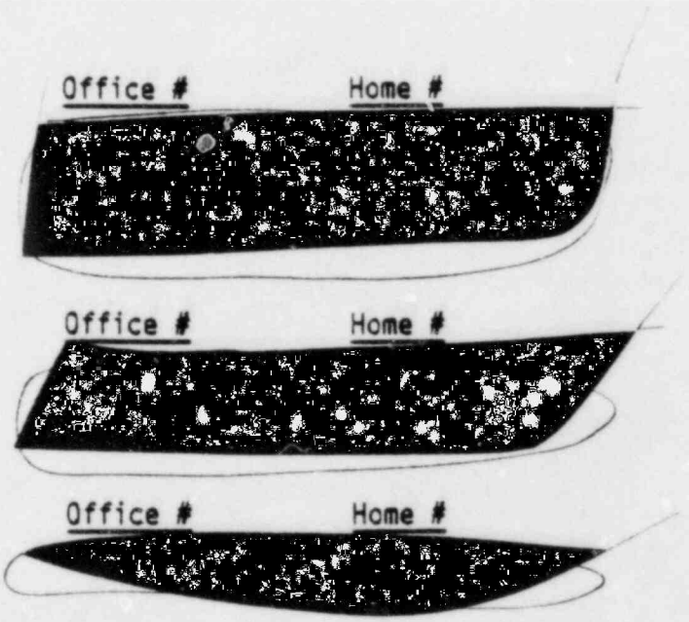
Name	Office #	Home #
R. J. Brackett		
R. H. Ledford		
J. J. McCool		

McGuire Site

Name	Office #	Home #
R. P. Ruth		
D. M. Franks		

Catawba Site

Name	Office #	Home #
J. W. Willis		



4. Babcock Wilcox (B&W) - Page 25
5. Westinghouse (W) - Page 24

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.

II. Organization - Charts

A. Additional Support Personnel

1. Engineering Personnel

Name	Area of Expertise	Office #	Home #
J R Hendricks	Fire Prot & Architecture		
H D Brandes	Fire Protection		
R M Sandifer	Instrumentation		
W H Rasin	Nuclear		
J E Thomas	Inst & Control Equipment		
D W Murdock	Inst & Control Systems		
H L Davenport	Prcs Computers & Security		
C E Kneeburg	Electrical Design		
D G Owen	Electrical Station Support		
G M Bostian	Electrical Station Support		
K R Caraway	Pwr Systems (Catawba Only)		
T A Ledford	Control Systems		

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

2. Construction Personnel

Name	Office #	Home #
T C Chappel		
R W Timms		

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

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

Reports 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 EC3/32 after notification is responsibile for moving the VAX computer terminal from David Nabow Library (EC2/30) to room EC3/32. 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 - K. K. Sherrill, [redacted]
1st Alternate - J. E. Sinclair, [redacted]
2nd Alternate - Shift Supervisor [redacted] (24 hours)

The Staff Administrator reporting to EC3/32 is also responsible for checking out the following drawings from the Electrical Division File Room and bringing them to EC3/32: 14

- General Arrangement Drawings
- Electrical Power System One-Line Drawings
- Mechanical Flow Diagrams

The plant and unit for which the drawings will be required will be identified in the Crisis Management Organization Emergency Activation Message. The need for additional drawings will be identified by members of the Design and Construction Support Group Team in EC3/32.

The Staff Adminstrators 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 activites 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 and the Crisis Management Data Transmittal System Manual 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 fabricati 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 nd 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 Assur 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 Conference Room EC3/32 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 15). 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 #17)

F. Upon notification of an Alert, Site Emergency or General Emergency situation at an operating nuclear station, individuals with an asterisk (*) by their name on Page 3 are to report to the Recovery Manager's Designated Location. Individuals with a double asterisk (**) by their name will report to Electric Center Conference Room EC3/32.

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 for Crisis Management Center locations are as follows:

McGuire/Catawba - Wachovia Center Room WC10/10 (page 19)

Oconee - Nuclear Training Facility (pages 20 & 21)

Liberty Retail Office, Liberty SC (backup) (pages 22 & 23)

B. General Office Groups

General Office Headquarters will be maintained by the Design and Construction Support, 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.

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 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 525KV switchyard.

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

Catawba: Construction Parking Lot, 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 (EC2/30). During emergencies and drills this terminal will be relocated to EC3/32 and operated by the EC3/32 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. Filed-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 th 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. Dedicated phones and ringdown lines are open with speaker phones in place.

3. ☐ Tables and chairs are set up in accordance with CMC layout figure for the appropriate nuclear station.

4. ☐ Offsite Radiological Coordinator has been in contact with the Station Health Physicist and is prepared to take over contact with State & County Agencies. A person is designated for manning the "Red Phone".

5. ☐ A contact for Senior Level Duke Power Company Management has been identified and is prepared.

6. ☐ 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.

7. ☐ Public Spokesman is present.

8. ☐ Any of those who did not register at the trailer (principal managers, etc) have been provided registration forms and will return them to the A&L Manager.

9. ☐ Recovery Manager is up to date on station status and pertinent information.

Crisis Management Center activated at _____hours on __/__/__ (Date).

_____
Recovery Manager

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 _____. Date _____ Time _____

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:

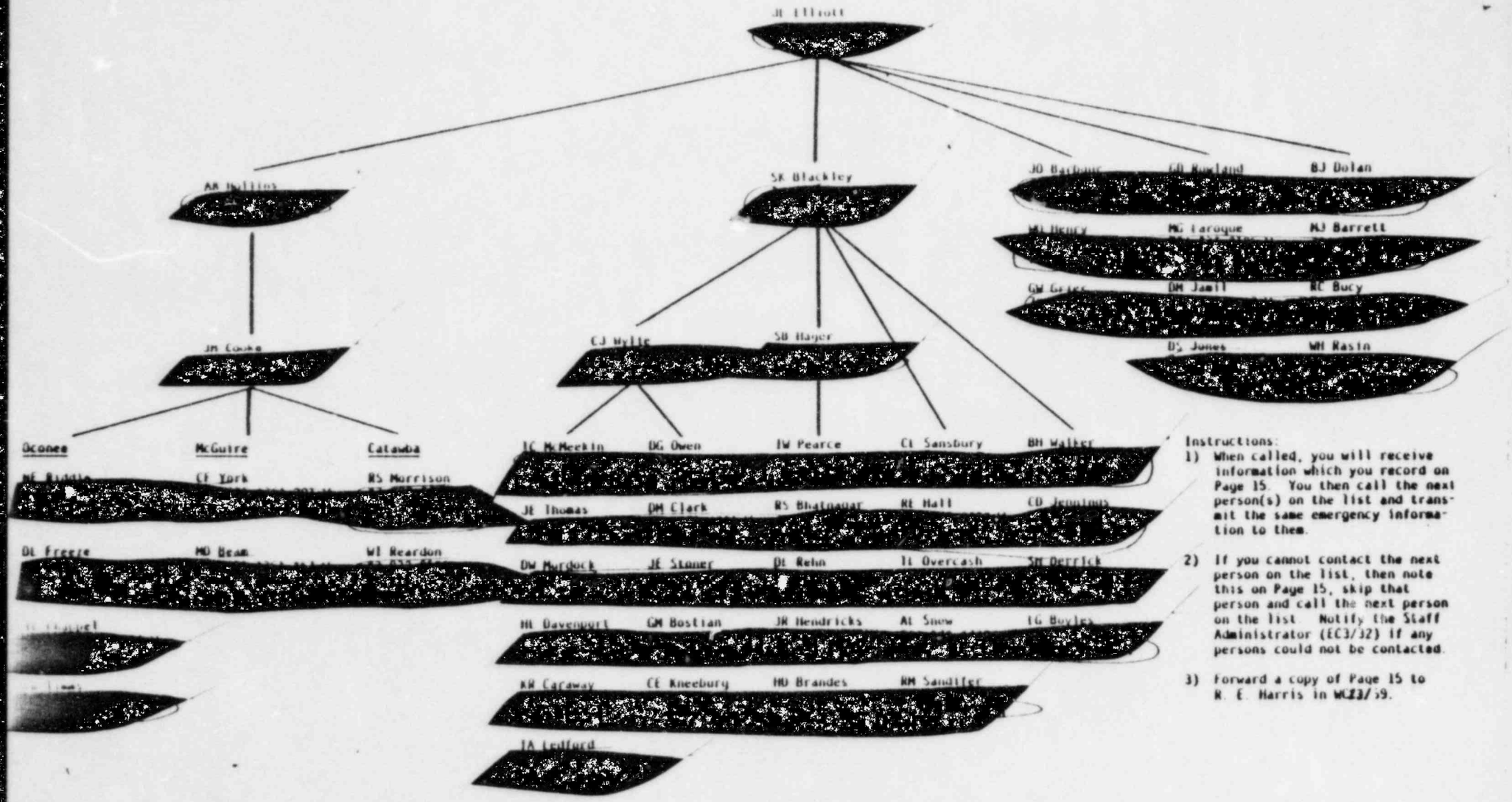
   _____ Alert
   _____ Site Area Emergency
   _____ General Emergency

4. You are to activate your portion of the Crisis Management Organization and have them report to: _____ the Charlotte General Office
   _____ the Oconee Training Center
   _____ the Liberty Retail Office

5. Specific Instructions (if any) _____
   _____
   _____
   _____

6. Please return a copy of this completed format to the Emergency Response Coordinator - R. M. Glover, WC-2369.

EP[illegible] MANAGEMENT TEAM
DESIGN CONSTRUCTION GROUP
I. ADMIN CALL-UP LIST



Instructions:

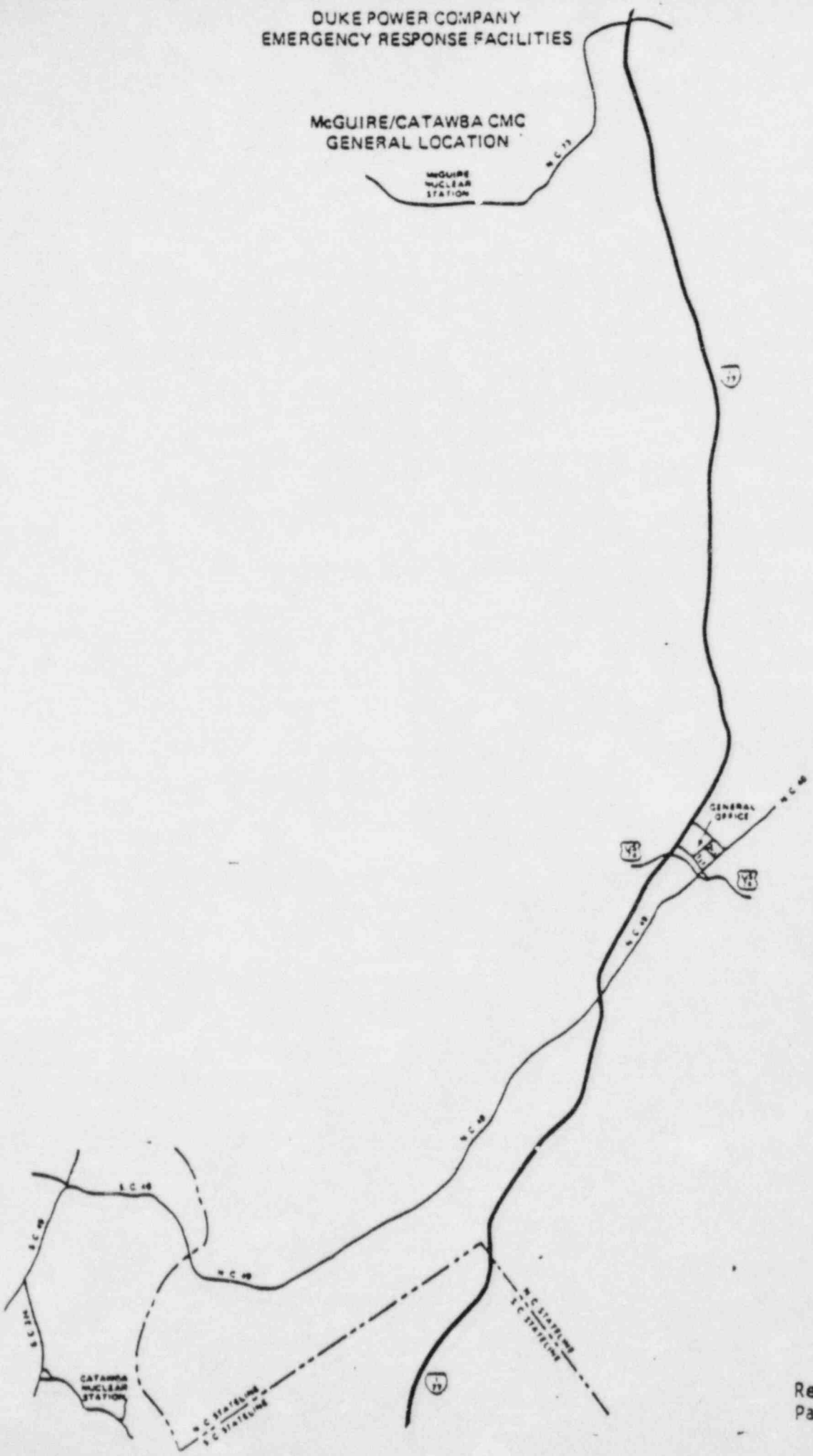
1) When called, you will receive information which you record on Page 15. You then call the next person(s) on the list and transmit the same emergency information to them.

2) If you cannot contact the next person on the list, then note this on Page 15, 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 a copy of Page 15 to R. E. Harris in WC23/59.

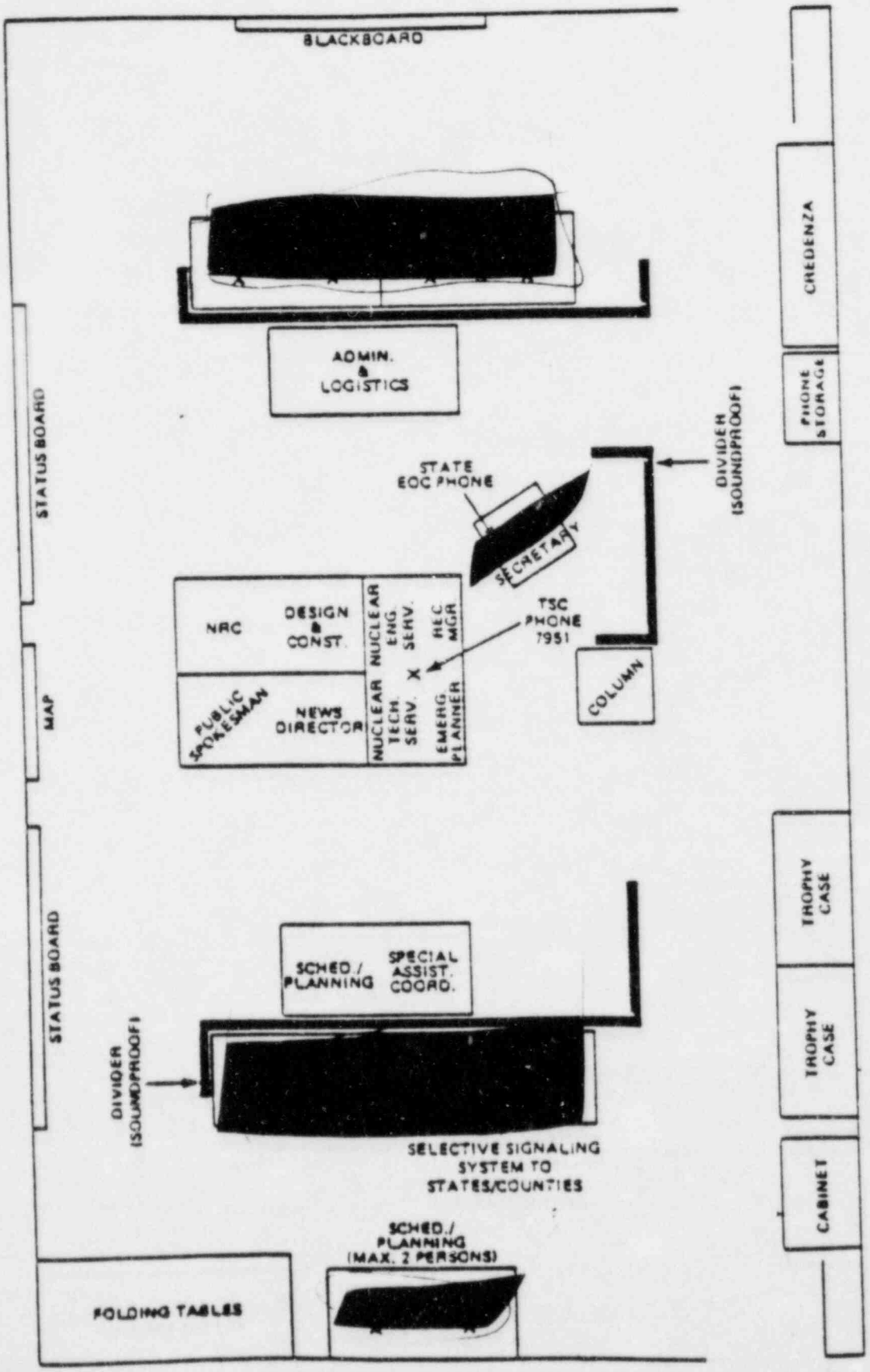
DUKE POWER COMPANY
EMERGENCY RESPONSE FACILITIES

McGUIRE/CATAWBA CMC
GENERAL LOCATION



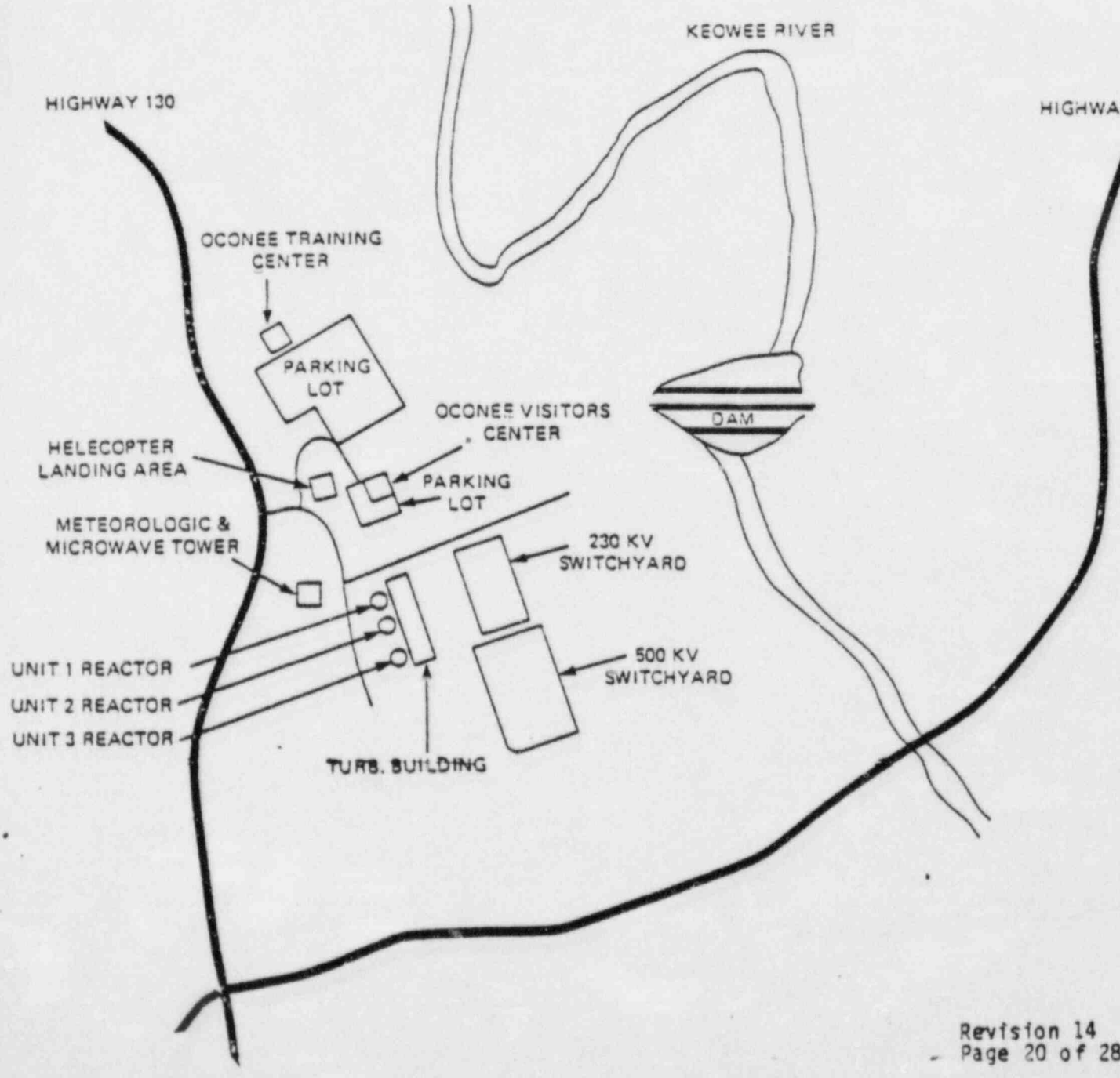
DUKE POWER COMPANY
GENERAL OFFICE RESPONSE FACILITIES

RECOVERY MANAGER/SCHEDULING & PLANNING OFFICE
WACHOVIA CENTER – ROOM 1010



DUKE POWER COMPANY
EMERGENCY RESPONSE FACILITIES
OCONEE NUCLEAR STATION

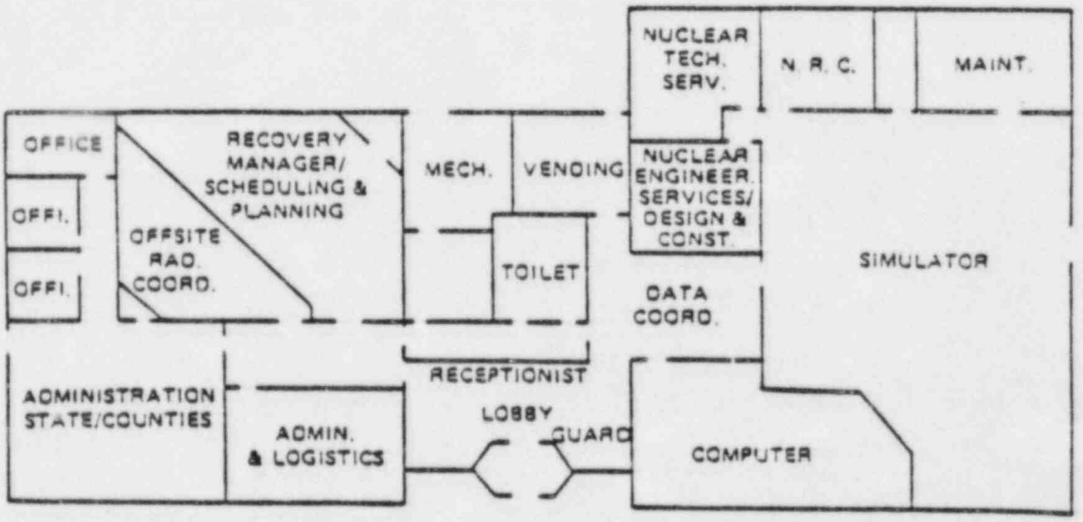
OCONEE NUCLEAR STATION
NEARSITE RESPONSE FACILITIES
GENERAL LAYOUT

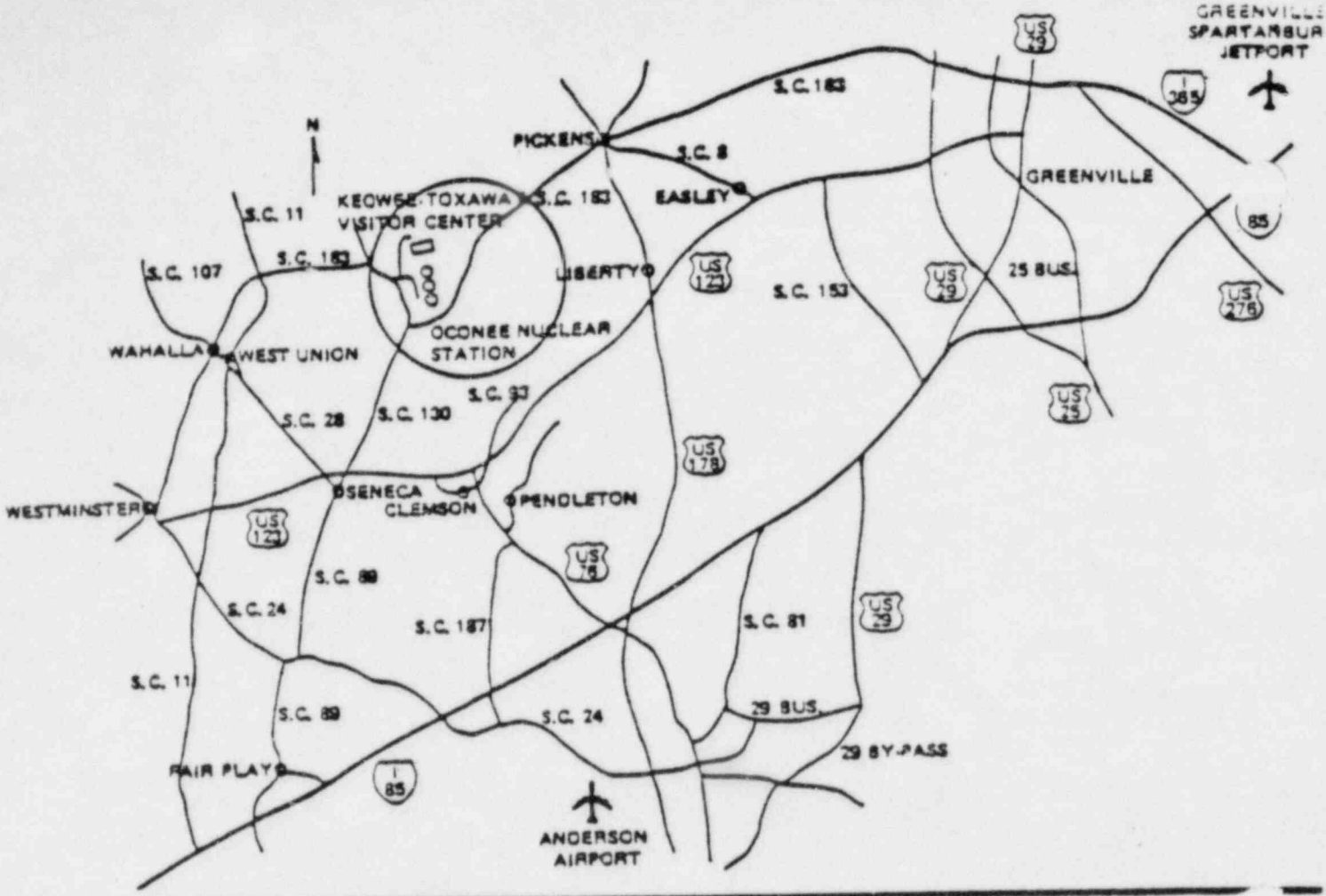


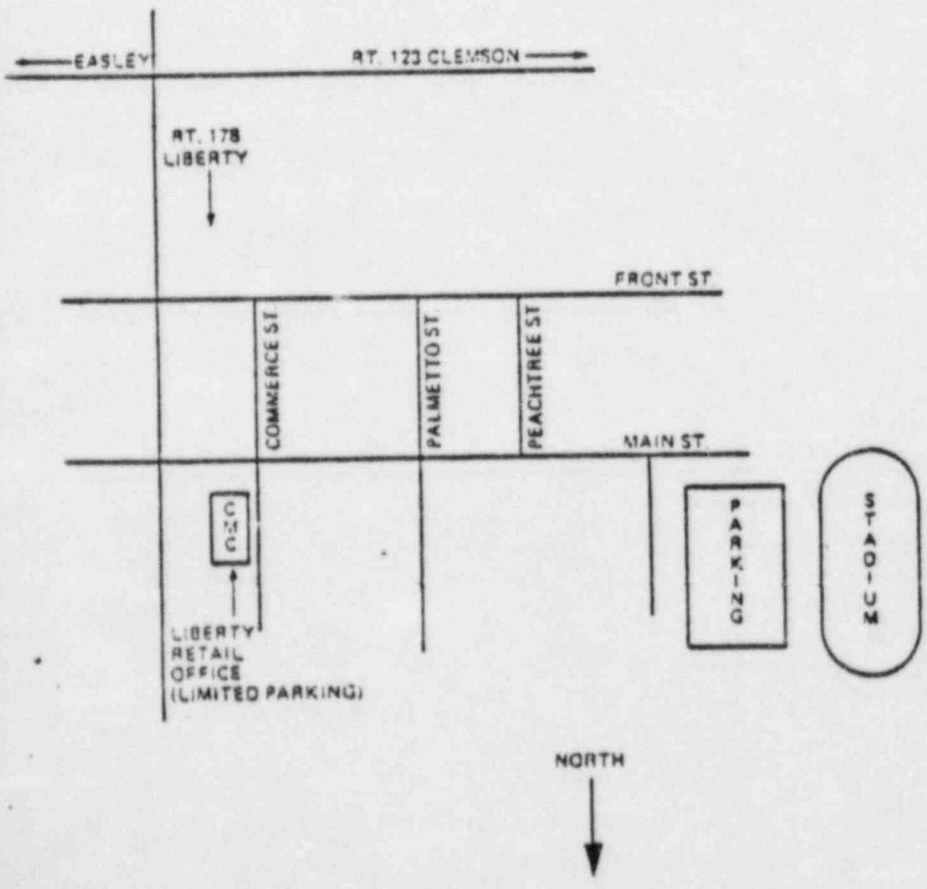
14

DUKE POWER COMPANY
EMERGENCY RESPONSE FACILITIES
OCONEE NUCLEAR STATION

NEARSITE CRISIS MANAGEMENT CENTER
OCONEE TRAINING CENTER

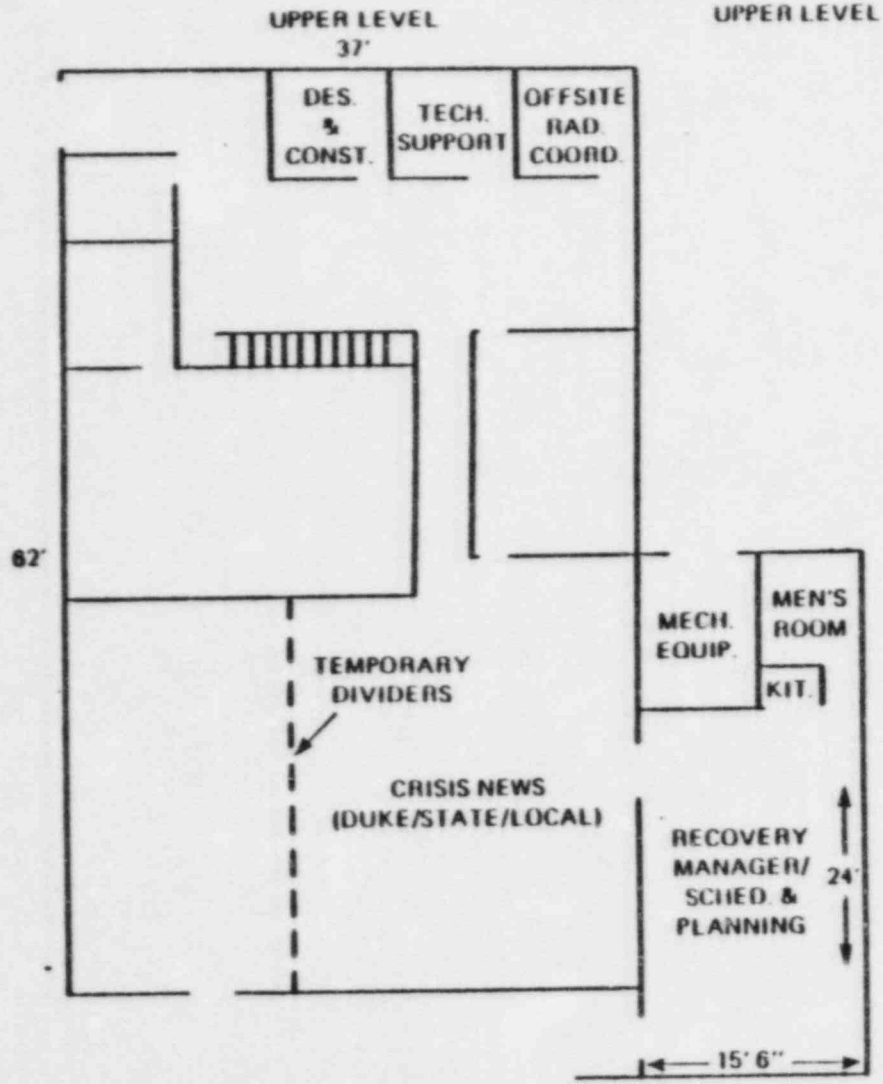


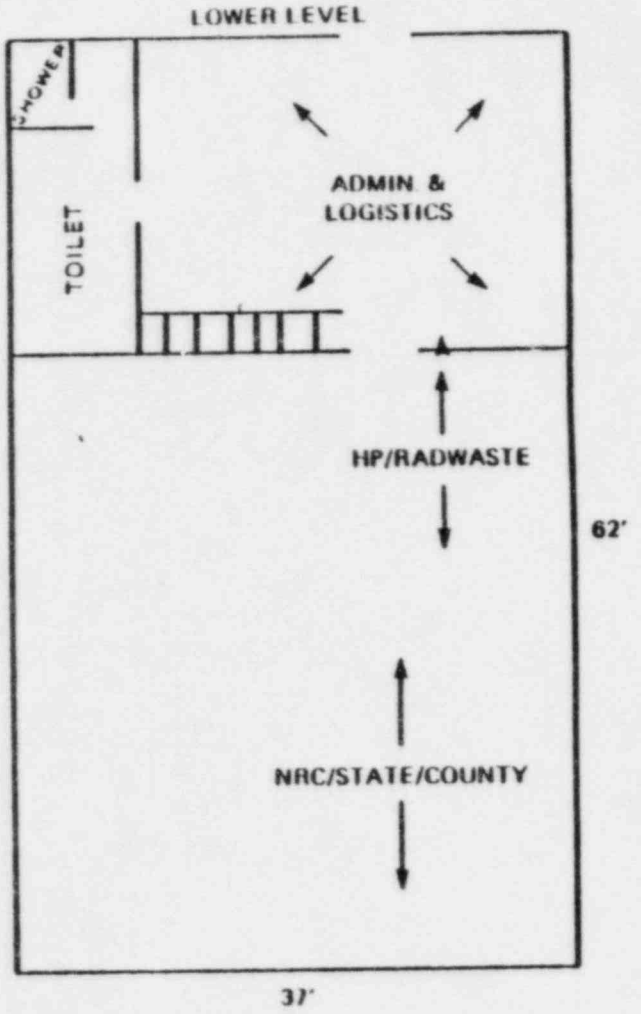

GREENVILLE SPARTANBUR JETPORT
N
PICKENS
S.C. 183
S.C. 8
EASLEY
GREENVILLE
S.C. 11
KEOWEE-TOXAWAY VISITOR CENTER
S.C. 183
S.C. 107
S.C. 153
LIBERTY
S.C. 153
25 BUS.
OCONEE NUCLEAR STATION
WAHALLA
WEST UNION
S.C. 28
S.C. 130
S.C. 93
WESTMINSTER
SENECA
CLEMSON
PENDLETON
S.C. 88
S.C. 24
S.C. 187
S.C. 81
S.C. 11
S.C. 89
S.C. 24
29 BUS.
29 BY-PASS
FAIR PLAY
ANDERSON AIRPORT


EASLEY
RT. 123 CLEMSON
RT. 178 LIBERTY
FRONT ST.
COMMERCE ST.
PALMETTO ST.
PEACHTREE ST.
MAIN ST.
OCONEE
PARKING
STADIUM
LIBERTY RETAIL OFFICE (LIMITED PARKING)
NORTH

LIBERTY RETAIL OFFICE
LAYOUT

DUKE POWER COMPANY CRISIS MANAGEMENT PLAN
OCONEE NUCLEAR STATION BACKUP CMC
UPPER LEVEL





2. Oconee Nuclear Training Facility Numbers

	Direct Bell Line	ONS Switchboard ext. first dial 882-5363	
Recovery Manager			
Design & Construction			14
Technical Support			14
Radiological Support			14
Offsite Radiological Coordinator			
Administration/Logistics			14
Scheduling/Planning			14

NOTE: A complete list of Crisis Management telephone numbers can be found in Implementing Procedures 5.3.10 and 5.3.11 of the Corporate Crisis Management Plan.

OCONEE NUCLEAR STATION
BABCOCK AND WILCOX EMERGENCY ORGANIZATION

	TITLE OR FUNCTION	NAME	OFFICE	HOME
1.	Service Manager	J. G. Brown	[redacted]	
2.	Resident Engineer	B. W. Street		
3.	Resident Engineer	L. H. Williams		

CRISIS MANAGEMENT TELEPHONE NUMBERS

1. General Office Numbers

   a. Support Group Offices

      Design & Construction -

      Technical Support -

      Radiological Support

      Offsite Radiological Coordinator -

      Administration/Logistics -

   b. Recovery Manager's Office (WC10/10)

      Recovery Manager

      Technical Support

      News Director

      Administration/Logistics

      Design & Construction

      Radiological Support

      Offsite Radiological Support

MCGUIRE NUCLEAR STATION
WESTINGHOUSE EMERGENCY ORGANIZATION
EMERGENCY RESPONSE PLAN SITE RESPONSE TEAM

Title	Name	Beeper #	Office	Home
SRT Leader	Dave Woodward			
1st Alternate	Bernie Haertjens			
2nd Alternate	Pat Walker			
Operations Support	Jim Evans			
1st Alternate	Jeffrey B. Simon			
2nd Alternate	John E. Hevlon			
Health Physics Support	Jim Flanigan			
1st Alternate	Craig Wilson			
2nd Alternate	John Muskanick			

One of the following Operating Plant Regional Managers, as appropriate, will accompany the SRT to the affected site:

		Beeper #	Office	Home	HHL
Mid-South Area Mgr.	Bob Howard				
1st Alternate	Joe Leblang				
2nd Alternate	Dave Richards				

NOTE: Unless indicated otherwise, all phone numbers are area code

DESIGN & CONSTRUCTION SUPPORT GROUP

DISTRIBUTION LIST - CRISIS MANAGEMENT PLAN

COPY NUMBER	INDIVIDUAL
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

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 9, 1984

50-269/270/287/369/370/413/414
Oconee/McGuire/Catawba

MEMORANDUM FOR: Chief, Document Management Branch, TIDC

FROM: Director, Division of Rules and Records, ADM

SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Rules and Records has reviewed the attached document and has determined that it may now be made publicly available.

J. M. Felton, Director
Division of Rules and Records
Office of Administration

Attachment: As stated