

Duke Power Company
Catawba Nuclear Generation Department
4800 Concord Road
York, SC 29745

WILLIAM R. McCOLLUM, JR.
Vice President
(803) 831-3200 Office
(803) 831-3426 Fax



DUKE POWER

March 26, 1997

U. S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555

Re: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414
Emergency Plan Implementing Procedures

Dear Sir:

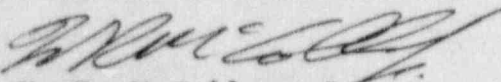
Please find enclosed for NRC Staff use and review the following
Emergency Plan Implementing Procedures:

RP/0/B/5000/16	Emergency Response Telephone Directory (3/13/97)
RP/0/B/5000/17	Emergency Response Data System Operation (3/11/97)
EP Group Manual Guideline 5.1.3	Emergency Organization (3/13/97)

These revisions are being submitted in accordance with 10CFR5054 (g) and do not decrease the effectiveness of the Emergency Plan Implementing Procedures or the Emergency Plan. Privacy information has been identified in RP/0/B/5000/16, Enclosures 4.2, 4.12, 4.13, 4.15, 4.16, 4.17, 4.19, and 4.20. This information should be withheld from public disclosure pursuant to 10CFR2.790.

By copy of this letter, two copies of the above documents are being provided to the NRC, Region II.

Very truly yours,


W. R. McCollum, Jr.
Vice President

9704150079 970326
PDR ADOCK 05000413
F PDR



U. S. Nuclear Regulatory Commission
March 26, 1997
Page Two

Attachment

xc: (w/enclosure)

Mr. L. A. Reyes, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

(w/o enclosure)

NRC Resident Inspector
Catawba Nuclear Station

Saluda River Electric Corporation
P. O. Box 929
Laurens, SC 29630

North Carolina Municipal Power Agency Number 1
P. O. Box 29513
Raleigh, NC 27626-0513

NC Electric Membership Corporation
3333 North Blvd.
P. O. Box 27306
Raleigh, NC 27611

Piedmont Municipal Power Agency
121 Village Drive
Greer, SC 29651

S. R. Christopher, CN04EP
M. S. Kitlan, CN01RC
Electronic Licensing Library, EC050
CN-750.25



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001


4/11/97

50-413

50-414

Catawba Unit 1 & 2

MEMORANDUM TO: Chief Information and Records Management
Branch

FROM: Russell A. Powell, Chief 
FOI/LPDR Branch

SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN
DOCUMENTATION

The Freedom of Information/Local Public Document Room Branch has reviewed the attached document and has determined that it may now be made publicly available.

Attachment:
Emergency Plan

150026

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/01	Classification of Emergency (9/24/96)
RP/0/A/5000/02	Notification of Unusual Event (1/21/97)
RP/0/A/5000/03	Alert (1/21/97)
RP/0/A/5000/04	Site Area Emergency (2/3/97)
RP/0/A/5000/05	General Emergency (1/21/97)
RP/0/A/5000/06	Deleted
RP/0/A/5000/06A	Notifications to States and Counties from the Control Room (12/17/96)
RP/0/A/5000/06B	Notifications to States and Counties from the Technical Support Center (12/17/96)
RP/0/A/5000/06C	Notifications to States and Counties from the Emergency Operations Facility (12/17/96)
RP/0/A/5000/07	Natural Disaster and Earthquake (11/22/96)
RP/0/A/5000/08	Deleted
RP/0/B/5000/08	Spill Response (12/31/96)
RP/0/A/5000/09	Collision/Explosion (3/3/97)
RP/0/A/5000/10	Conducting A Site Assembly or Preparing the Site for an Evacuation (1/21/97)
RP/0/A/5000/11	Deleted
RP/0/B/5000/12	Deleted
RP/0/B/5000/13	NRC Notification Requirements (9/18/96)
RP/0/B/5000/14	Deleted
RP/0/A/5000/15	Core Damage Assessment (3/13/96)
RP/0/B/5000/16	Emergency Response Telephone Directory (3/13/97)
RP/0/B/5000/17	Emergency Response Data System Operation (3/11/97)

March 13, 1997

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

PROCEDURE	TITLE
RP/0/A/5000/18	Emergency Worker Dose Extension (1/15/96)
RP/0/B/5000/19	EOF Commodities and Facilities Procedure (9/10/96)
RP/0/A/5000/20	Technical Support Center Emergency Coordinator Procedure (7/19/96)
RP/0/A/5000/21	Emergency Operations Facility Director Procedure (7/19/96)
RP/0/B/5000/22	Evacuation Coordinator Procedure (2/3/97)
RP/0/B/5000/23	EOF Access Control (2/3/97)
RP/0/A/5000/24	OSC Coordinator Procedur (5/30/96)
RP/0/B/5000/25	Recovery and Reentry Procedure (2/3/97)
RP/0/B/5000/26	Response to Bomb Threat (5/30/96)
RP/0/B/5000/28	Communications and Community Relations EnergyQuest Emergency Response Plan (2/27/97)
EP Group Manual Guideline 5.1.3	Emergency Organization (3/13/97)

March 13, 1997

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME II

PROCEDURE	TITLE
HP/0/B/1000/06	Emergency Equipment Functional Check and Inventory (12/06/94)
HP/0/B/1009/01	Radiation Protection Recovery Plan (09/07/93)
HP/0/B/1009/03	Health Physics Response Following a Primary to Secondary Leak (05/11/89)
HP/0/B/1009/04	Environmental Monitoring for Emergency Conditions Within the Ten-Mile Radius of CNS (6/3/96)
HP/0/B/1009/05	Personnel/Vehicle Monitoring for Emergency Conditions (11/20/95)
HP/0/B/1009/06	Alternative Method for Determining Dose Rate Within the Reactor Building (07/07/93)
HP/0/B/1009/07	In-Plant Particulate and Iodine Monitoring Under Accident Conditions (01/20/93)
HP/0/B/1009/08	Contamination Control During Transportation of Contaminated Injured Individuals (11/20/95)
HP/0/B/1009/09	Guidelines for Accident and Emergency Response (6/18/96)
HP/0/B/1009/14	Radiation Protection Actions Following an Uncontrolled Release of Radioactive Material (04/28/93)
HP/0/B/1009/16	Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release (01/20/93)
HP/0/B/1009/17	Post-Accident Containment Air Sampling System (6/3/96)
HP/0/B/1009/18	Deleted
HP/0/B/1009/19	Emergency Radio System Operation, Maintenance and Communications (10/06/93)
HP/0/B/1009/24	Implementing Procedure for Estimating Food Chain Doses Under Post- Accident Conditions (06/18/92)
HP/0/B/1009/25	Emergency Response Offsite Dose Projections (1/22/97)
OP/0/A/6200/21	Operating Procedure for the Post Accident Liquid Sampling System II+ (2/17/97)

March 13, 1997

Duke Power Company

PROCEDURE PROCESS RECORD

(1) ID No. RP/0/B/5000/16Revision No. 9**REPARATION**

- (2) Station Catawba
- (3) Procedure Title Emergency Response Telephone Directory
- (4) Prepared By B. R. Lth Date 3/13/97
- (5) Requires 10CFR50.59 evaluation?
- ☒ Yes (New procedure or reissue with major changes)
- ☐ No (Reissue with minor changes OR to incorporate previously approved changes)
- (6) Reviewed By SRC Christopher (QR) Date 3/13/97
- Cross-Disciplinary Review By _____ (QR) NA SRC Date _____
- Reactivity Mgmt. Review By _____ (QR) NA SRC Date _____
- (7) Additional Reviews
- Reviewed By _____ Date _____
- Reviewed By _____ Date _____
- (8) Temporary Approval (if necessary)
- By _____ (SRO/QR) Date _____
- By _____ (QR) Date _____
- (9) Approved By Mary L. Birch Date 3/13/97

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

- (10) Compared with Control Copy _____ Date _____
- Compared with Control Copy _____ Date _____
- Compared with Control Copy _____ Date _____
- (11) Date(s) Performed _____
- Work Order Number (WO#) _____

COMPLETION

(12) Procedure Completion Verification

- ☐ Yes ☐ N/A Check lists and/or blanks initialed, signed, dated, or filled in N/A, as appropriate?
- ☐ Yes ☐ N/A Listed enclosures attached?
- ☐ Yes ☐ N/A Data sheets attached, completed, dated, and signed?
- ☐ Yes ☐ N/A Charts, graphs, etc. attached, dated, identified, and marked?
- ☐ Yes ☐ N/A Procedure requirements met?

Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

(14) Remarks (attach additional pages, if necessary)

DUKE POWER COMPANY
CATAWBA NUCLEAR SITE
EMERGENCY RESPONSE TELEPHONE DIRECTORY

1.0 SYMPTOMS

Activation of the Catawba Emergency Organization in one or more of the following places, Control Room, TSC, OSC, or EOF, has taken place.

2.0 IMMEDIATE ACTIONS

- 2.1 This directory provides a listing of telephone numbers for various personnel and agencies that may have a part in dealing with an emergency situation or providing other assistance as needed at the Catawba Nuclear Site.
- 2.2 This directory provides instructions for operating the various emergency communications equipment located in the Catawba Control Room, TSC, OSC, and EOF.
- 2.3 Refer to RP/0/A/5000/06A, 6B, and 6C to provide Emergency notifications to States and Counties via the Emergency Notification Form.

3.0 SUBSEQUENT ACTIONS

- 3.1 To report problems with any Duke Power communications systems during an emergency, notify the Emergency Planner, Commodities/Facilities, or contact Telecommunications per the following:

Selective Signaling/Decision Line Problems 382-7762, Option 5 (Telecom SPOC)

CNS Phone Problems	831-3663 (CNS Telecom)
	382-7762, Option 5 (Telecom SPOC)

EOF Phones	382-7762, Option 5 (Telecom SPOC)
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If no answer, call **1-800-777-0500** to page the Communications Supervisor on call.

- 3.2 A failure of either the ENS or other FTS-2000 phones is to be reported to the NRC Operations Center in Bethesda, Maryland (**301-816-5100 or 301-951-0550**). For ENS failures, the NRC will make arrangements for repair of the ENS. For failures of the other FTS-2000 phones, call the local telephone service office for repairs. Once the repairs have been completed, notify the NRC Operations Center when the telephone has been returned to service.

4.0 ENCLOSURES

- 4.1 Instructions for Operating Duke Power Telephones
- 4.2 Emergency Only Alternate Telephone Paths
- 4.3 Decision Line Network (DLN)
- 4.4 Instructions for the Setup of Wireless Headsets
- 4.5 Selective Signal System
- 4.6 State(s) Emergency Radio Operating Instructions
- 4.7 Field Monitoring Emergency Radio Operating Instructions
- 4.8 CNS Emergency Operations Facility (EOF) Telephones
- 4.9 CNS Joint Information Center (JIC) Telephones
- 4.10 CNS Technical Support Center (TSC) Telephones
- 4.11 CNS Operations Support Center (OSC) Telephones
- 4.12 CNS Control Room and Other Emergency Response Locations
- 4.13 York County Telephone Numbers
- 4.14 Gaston County Telephone Numbers
- 4.15 Mecklenburg County Telephone Numbers
- 4.16 South Carolina Telephone Numbers
- 4.17 North Carolina Telephone Numbers
- 4.18 Federal Agency Telephone Numbers
- 4.19 Duke Power Company Telephone Numbers - General Office
- 4.20 Duke Power Company Telephone Numbers - Catawba Nuclear Site
- 4.21 Facility Layout Drawings (EOF, TSC, OSC)
- 4.22 Procedure Cross-Reference Guide and Verification
- 4.23 Emergency Phone Book Distribution List

INSTRUCTIONS FOR OPERATING DUKE POWER TELEPHONES

DUKE POWER TELEPHONES AT EOF

To access another extension in the EOF: Dial 2 + the four digit extension

To access another Duke General Office extension:

- For numbers with the 382 exchange, dial 2 + the four digit extension

To access an **outside line**:

- For a local call, dial 9 + the phone number
- For a long distance call, dial 1 + the phone number

To access Duke **Microwave**:

- Dial 8 + the seven digit phone number

DUKE POWER TELEPHONES AT CNS TSC/OSC/CR

To access **another extension at CNS Site** (including TSC/OSC/CR):

- Dial the four digit extension

To access **Charlotte Area** number:

- Dial 9 + seven digit local telephone number

To access a Duke Power **Network** number (including GO, EOF, MNS and ONS):

- Dial 8 + seven digit Duke Power system number

To access a **Rock Hill Area** number:

- Dial 67 + seven digit local seven digit telephone number

To place a **long distance** call:

- Dial 1 + area code + seven digit number

Contact the Operator for assistance in placing calls as needed

INSTRUCTIONS FOR OPERATING DUKE POWER TELEPHONES

INSTRUCTIONS TO SET UP CONFERENCE ON CNS (ROLM) TELEPHONES

(Normally Located in Control Room, TSC, Simulator, OSC)

To Set Up a Conference Call:

1. Call 1st party (extension or outside number)
2. Press Flash
3. Listen for tone
4. Dial 2nd party (extension or outside number)
5. Inform party called that this is a conference call
6. Press CONF button
7. Talk to parties
8. To add parties, repeat steps 2-7

INSTRUCTIONS TO SET UP CONFERENCE ON EOF (INTECOM) TELEPHONES

(Located in EOF Off-Site Communicator's Area: Telephones 382-0723 and 382-0724 are programmed conference telephones)

Note: Only a limited number of outside telephone numbers can be conferenced on the telephone at one time. Reaching more than five agencies may require conferencing four agencies on one telephone (382-0723) and dialing additional agencies on the other (382-0724). The following describes how to set up conference calls using individual phone numbers and pre-programmed numbers.

To Set Up a Conference Call: **(Individual Numbers)**

1. Listen for tone
2. Dial 9 + outside number
3. Inform party called that this is a conference call
4. Press CONF button
5. To add parties, repeat steps 1-4

INSTRUCTIONS FOR OPERATING DUKE POWER TELEPHONES**INSTRUCTIONS TO SET UP CONFERENCE ON EOF (INTECOM) TELEPHONES (cont)**

To Set Up a Conference Call: (with pre-programmed numbers)

1. Listen for tone
2. Press **ABRV DIAL**, then press 1st Agency programmed number (ex: Meck Co - 01)
3. Inform party called that this is a conference call
4. Press **CONF** button
5. To add parties, repeat steps 1-4

Storage number	Agency	Number
01	Mecklenburg Co Warning Pt.	9-336-3333
02	Gaston Co. Warning Pt.	1-704-866-3300
03	York Co. WP/EOC	1-803-325-2580
05	SC WP/EOC	1-803-734-8020
10	Mecklenburg Co. EOC	9-336-4470
11	Gaston Co. EP Director	1-704-866-3243
12	NC WP/EOC	1-919-733-3943

Satellite Phone Instructions

1. SITE LOCATION

Take Satellite Phone to Southeast Corner of the Unit 1 Turbine Bldg. Place on a level surface.

2. SETTING THE ANTENNA ANGLE

Align the vertical angle of the briefcase cover (antenna) to roughly 40 degrees (degree markings are located on the outside of the briefcase lid support arm). Lock the support arm in place

3. DIRECTING THE ANTENNA (the antenna is the top lid of the briefcase unit)

Direct the top of the briefcase horizontally toward the SOUTHWEST (direction of Satellite). Assure that there is a clear path between you and the satellite (i.e.: No bldgs). If a clear path does not exist, relocate the satellite phone to a position with a clear path and repeat the alignment process.

4. UNIT POWER UP

Power up the unit by flipping on the **POWER** (left bottom) switch in the briefcase and then press the **PWR** key on the handset for 1/2 second. (The phone should beep). The handset display will indicate the signal strength between the phone and the satellite. Note the signal strength indication. This indication will be in the form of a digital and bar read out. The digital readout is indicated by an "S" followed by the numbers "00 to 40". The signal strength should be at least 10. The higher the better. Rotate the briefcase until highest signal strength is achieved. This display should be similar to the following:

BOI S24	III
OK*/NG#	
PWR	NO SVC

Unit battery should be fully charged, but if an alternate power source is needed, use the AC/DC Converter (an extension cord from an AC power source will be needed) or use the cigarette lighter adapter (a vehicle with a cigarette lighter will be needed).

5. SATELLITE INITIALIZATION

When you achieve the maximum signal strength press the * button. At this time the satellite phone begins the initialization process and commissions the satellite. It may take up to fifteen seconds.

When the initialization process is successful, the NO SVC indicator will turn off and -ON- will appear in the display (similar to the one below). A call can now be placed and/or received.

SAT	III
- ON-	
PWR	

6. PLACING A CALL

Dial the 10 digit phone number and press "SEND" (the display will show "IN USE" indication).

7. RECEIVING CALLS

The Unit must be turned ON. If NO SVC appears in the phone display, no call can be received. An Incoming call will cause the phone to ring. Press the SEND button to answer the call.

Satellite Phone Instructions

8. ENDING A CALL

To end the call, press the "END" button.

9. TURNING THE UNIT OFF

To turn off the Unit, press the PWR key on the handset for more than ½ second. (You will hear a short beep).

After the beep, turn the POWER switch in the briefcase "OFF"

*Refer to the Operating Instructions manual for the ST151 (Transportable Satellite Terminal) for any additional instructions**

EMERGENCY ONLY ALTERNATE TELEPHONE PATHS

Duke Power provides some alternate methods of bringing calls into the plant site, as well as making calls from the plant, **in the case of a loss of service from Southern Bell**. These alternate paths would be over our network exclusively or a mixture of the Duke network and a public telephone company located away from the site. These methods should only be used in an emergency.

Below are examples and the solution for each:

Problem: Plant cannot place "9," "8" or "67" call

Solution: Direct dial using 1 + (Area Code) + seven digit phone number [i.e., 1-(XXX)XXX-XXXX], and the call will be routed to our network hub in Charlotte where the call will be processed.

Problem: Plant cannot receive any direct public calls

Solution: Have the party wishing to call in dial one of the numbers below:

1-704-382-8523 Charlotte DID to Duke Net (First Choice)
1-704-866-6166 Gastonia FX to Duke Net
1-803-324-5235 Rock Hill FX to Duke Net
1-803-324-5236 Rock Hill FX to Duke Net

These numbers should only be given out in an emergency.

If a call cannot be placed or received by the plant using these methods, communications can be established using the satellite phones.

CNS OPERATIONS SUPPORT CENTER TELEPHONES
(OSC)

OSC Coordinator 5934 5457	OSC Operations Supervisor 5935 5458(A channel) 2352	IAE Manager 5456	Mechanical Maintenance Manager 5453	Equipment Engineer 5968	Commodities and Facilities Manager 5969
					2271 (Wall Mount)
Radiation Protection Manager 5938	DRC Supervisor (RP) 5939	Chemistry Manager 5454 5517	Safety 5936	Emergency Planner 5114 5937 ("C" channel)	OSC FAX 5518
RP Supv 5452	RP Table 3284				

**O
S
C**

CNS CONTROL ROOM AND OTHER EMERGENCY RESPONSE LOCATIONS
(C/R)

Selective Signaling Number

511

Unit 1

Unit 1 (Horseshoe)	
5352	2338 (Desk)
5353	
5354	
5355	3276 (Unit 1 Supv)
831-7332 (Outside Line)	

Unit 2

Unit 2 (Horseshoe)	
5347	2337 (Desk)
5348	
5349	3274/3275 (Unit 2 Supv)
5350	

Control Room Operations Shift Manager (OSM)
831-3250

Shift Support Assistant (SSA)
831-3684 (SSA Desk)
5842 (SSA Desk)
5099/3289 (SSA Office)

Control Room FAX

831-3185

Control Room Off-Site Agency Communicator Area

831-8185 (Offsite Verification/Confirmation Line)
831-3515 (Offsite Communicator Selective Signaling Back-up Line)
4280 (NRC: C/R to TSC Dedicated Line)
5357 (Operations "A" Channel)

Shift Work Manager

3329

WCC SRO

3258

Control Room Fire Panel

5542

Tagout Room

5537

AUXILIARY SHUTDOWN PANELS

(1A) - 5549	(2A) - 5550
(1B) - 5548	(2B) - 5551

STANDBY SHUTDOWN FACILITY

5251

YORK COUNTY TELEPHONE NUMBERS

YORK COUNTY Warning Point and EOC	Selective Signaling	Telephone Number	FAX Number	Call Sign	FM Radio Code
Warning Point/EOC	513	(803)325-2580 (803)329-1110	(803)324-7420	KNIS666	41
Emergency Service: Director	515	(803)329-7270 (803)329-7271	(803)324-7420		

YORK COUNTY Office of Emergency Management	Selective Signaling	Telephone Number	FAX Number
Cotton Howell (Director)	515	W: (803)329-7270 H: [REDACTED] Pager: [REDACTED]	(803)324-7420
Mike Channell		W: (803)329-7270 H: [REDACTED] Pager: [REDACTED]	(803)324-7420
Allen Tice		W: (803)329-7270 H: [REDACTED] Pager: [REDACTED]	(803)324-7420

YORK COUNTY Law Enforcement/Fire/Rescue/Medical	Telephone Number	Fax
Sheriff	911 or (803) 329-1110	(803) 628-3075
Rock Hill Police	911 or (803) 329-1110	
York County Fire and Rescue	911 or (803)329-1110	
Clover Police	911 or (803) 329-1110	
Clover Rescue Squad (Back-up Ambulance)	911 or (803)329-1110	(803) 222-3085
Bethel VFD (Emergency)	911 or (803)329-1110	
Bethel VFD (Non-Emergency)	(803) 329-1110	
Piedmont Medical Center (Primary Hospital) Response	911 or (803)329-1110	
Piedmont Medical Center (Switchboard)	(803)329-1234	
Piedmont Medical Center (Emergency Room)	(803)329-6810	(803) 329-6844

Note: 911 should be used to contact any York County off-site agency required to respond to any emergency.
Seven digit numbers are answered secondary to 911 lines.

Gaston County Telephone Numbers

Gaston County

GASTON COUNTY Warning Point and EOC	Selective Signaling	Telephone Number	FAX Number	Radio Call Sign	FM Radio Code
Warning Point (Use for all Emergency Notifications)	112	(704) 866-3300	(704) 866-7623	KGC256	26
EOC	112	(704) 866-3243	(704) 866-7623 (Emergency notifications Only) (704) 868-4150 (Non-Emergency)		

GASTON COUNTY Emergency Preparedness	Telephone Number	FAX Number
Director	(704) 866-3265	(704) 868-4150
EPD Secretary	(704) 866-3350	(704) 868-4150

GASTON COUNTY Law Enforcement	Telephone Number
Sheriff	(704) 866-3160
Gastonia Police	(704) 865-2323

GASTON

Mecklenburg County Telephone Numbers

MECKLENBURG COUNTY Warning Point and EOC	Selective Signaling	Telephone Number	FAX Number	Radio Call Sign	FM Radio Code
Warning Point	116	(704)336-3333	(704)336-2729	KCE604	21
EOC	116	(704) 336-4470 * (704) 336-4471 *	(704)336-4204 Drills Only (EPD Office) (704) 336-4460 * Emergencies Only or when EOC is activated	WNGU-625 (800 Mhz)	

* Used only when EOC is activated

MECKLENBURG COUNTY Emergency Preparedness	Telephone Number	FAX Number
EPD Office	(704) 336-2412	(704)336-4204
Director - Wayne Broome	W: (704)336-7616 H: [REDACTED]	(704)336-4204 EPD Office
Jerry Wilson	W: (704)336-2413 H: [REDACTED]	(704)336-4204 EPD Office

MECKLENBURG COUNTY	Telephone Number	FAX Number
Sheriff	(704) 336-2543	
Charlotte Police	(704) 336-2352 (Information)	
Charlotte Police (David J.)	(704) 336-5729	
Charlotte Police (Duty Captain)	(704) 336-2141 (after 4:00pm)	
Charlotte Transportation (Randy Jones)	(704) 336-3894	
Carolinas Medical Center (CMC)	(704) 355-2272	
Rich McKeown - Radiation Safety Officer (RSO) (CMC)	(704) 355-5370	
CMC Emergency Room (same as Air Med)	(704) 355-2167	
CMC Emergency Dept (switchboard)	(704) 355-2171	

MECKLENBURG

South Carolina Telephone Numbers

SOUTH CAROLINA	Selective Signaling	Telephone Number	FAX Number	Radio Call Sign
Warning Point/EOC	518	(803) 734-8020	(803) 734-8853 (Emerg. Notification Only) (803) 734-8062 Administration	WBS264
SCDHEC Bureau of Solid and Hazardous Waste				
Ron Kinney		(803) 896-4092		
- Switchboard		(803) 896-4000		
- Emergency Response		(803) 253-6488		
Nuclear Emergency Planning		(803) 896-4096	Primary-	
Sandra Threatt (Manager Nuclear Planning)		(803) 896-4095	(803) 896-4110 Back-up	
John Jesse		(803) 896-4101	(803) 896-4002	
Buck Corley		(803) 896-4098	(803) 896-4110	
SC EPD			(803) 734-8062	
Switchboard-		(803) 734-8020	Administration	
Director, Emergency Preparedness Division (Stan McKinney)		(803) 734-8044		
Tim Murphy (Desk)		W: (803) 734-8035 H: [REDACTED]		
Bob Duggleby		(803) 734-8055		
Bill Huckins		(803) 734-8531		
STATE PIO				
Zoe Farmer		(803) 734-8036		
Barry Myers		(803) 734-8974		
FEOC (Clover Armory) * Only available after FEOC activation	514			
- State Rad. Health				
- SC PIO				
SC Highway Patrol (Back Up Warning Point)	516	(803) 896-9621	(803) 896-9620	
SC Highway Dept Dispatcher (Chester) District 4		(803) 385-3107 1-800-768-1504		
SC Host Counties				
Cherokee Co SC (John Brasington)		(864) 487-2542	(864) 487-2719	
Chester Co. SC (Billy Powell)		(803) 377-4632	(803) 377-3490	
Lancaster Co SC (Blakie Shute)		(803) 283-8888	(803) 285-8440	
Union Co SC (Steve Jones)		(864) 429-1620	(864) 429-1622	
SLED (Bomb Disposal) *		(803) 737-9000		
* Call York Co. Sheriff's Dept. first for Bomb Disposal				

North Carolina Telephone Numbers

NORTH CAROLINA	Selective Signaling	Telephone Number	FAX Number	Radio Call Sign
WP/EOC Raleigh - Switchboard	314	(Primary) (919)733-3942 (Back-up) 1-800-858-0368 (919)733-3867 (919)733-3868 (919)733-3869	(Primary) (919)733-7554 (Back-up) (919)733-3800	KNBU729
EOC Raleigh (Additional Numbers) - Direct Dial		(919)733-3943 (919)733-7553 (919)733-3204 (919)733-3920		
NCEPD Director - (Billy Ray Cameron) Chief RP - (Mel Frye (Acting)) Radiation Protection - (Johnny James) Lead REP Planner - (Elaine Wathen)		W: (919) 571-4141 W: (919) 733-3825 W: (919) 571-4141 H: [REDACTED] Pager: [REDACTED] W: (919) 571-3780 H: [REDACTED]	(704) 733-5406 (919)733-7554	
Area "E" Office Tim Miller (Coordinator) Mike Cook		W: (704) 466-5555 H: [REDACTED] pager: [REDACTED] W: (704)466-5586 H: [REDACTED] pager: [REDACTED]	(704)466-5578	
NC Highway Patrol (Back-up Warning Point) 1st Sgt - (Robert Jackson) Host Counties	117	(919) 733-3861 (919) 733-4030 (919)733-5282	(919)733-8134	
Cleveland Co NC (Beau Lovelace) Union Co. NC (Janet Tucker)		(704) 484-4841 (704) 283-3536	(704) 484-4895 (704) 289-4369	

NC

FEDERAL AGENCY TELEPHONE NUMBERS

	<u>Primary</u>	<u>Backup</u>
<u>DOE</u>		
Region II Radiological Assistance Program (RAP)	(425)576-1005	(423)525-7885
Savannah River Site (Emergency Notifications)	(803)725-3333	803-648-0295
<u>REAC/TS</u>		
Radiation Emergency Assistance Center/Training Site (REAC/TS)	(423)481-1000(Switchboard) (423)576-3131(8:00 - 4:30)	
<u>NRC Federal Telecommunications System (FTS)</u>		
NRC Operations Centers (ENS)		
Headquarters, Rockville, MD	(301)816-5100	301-951-0550
NRC Switchboard	(301)415-7000	
FAX	(301)816-5151	
Health Physics Network (HPN)	(301)816-5100	1-301-951-0550
ERDS	(301)816-5160	
Computer Room	(301)816-5141(ERDS) (301)415-5015(Main)	
NRC Manager, Office for Analysis and Evaluation of Operational Data	(301)415-6383	
Region II (NRC) Atlanta, GA	(404)331-4503(24 hr.)	
Incident Response Center	(404)331-5089	
Regional Duty Officer	(404)331-5085	
Region II Emergency Preparedness Coordinator	(404)331-6674(Jim Hufham)	
Region II Fax	(404)331-4449	
SITE	(803)831-2963	
CNS NRC Resident(s)	5640/5641	
<u>FEMA, REGION IV, ATLANTA</u>		
- 24 Hour	(404)853-4200	
Mitigation Division	(404)853-4400	
Mary Lynn Miller	(404)853-4454	
Larry Robertson	(404)853-4466	
Richard Mayson :Deputy Reg. Manager (after hours)		(404)853-4200
Bob Trojanowski(NRC Liaison)	(404)331-5597	
<u>NATIONAL WEATHER SERVICE</u>		
-Greenville/SpartanburgSC	1-800-268-7785(Primary) (864)879-1085/(864)848-1332(Back-ups)	
-Columbia, SC	(803)765-5501(24 Hr.) (803)765-5502(24 Hr.) (803)822-8133(Unpublished(24 Hr.))	
-Charlotte, NC	(704)359-8292	

FEDERAL AGENCY TELEPHONE NUMBERS

	<u>Primary</u>	<u>Backup</u>
<u>FEDERAL BUREAU OF INVESTIGATION (FBI)</u>		
Rock Hill	(803) 327-1151	
Columbia	(803) 254-3011	
<u>NATIONAL EARTHQUAKE INFORMATION SERVICE</u>		
	1-800-525-7848	(303) 273-8500
<u>FEDERAL AVIATION ADMINISTRATION</u>		
	(704) 359-0248	
	(704) 359-0249	(704) 359-4050 (after hrs.)
<u>HAZARDOUS SUBSTANCE RELEASE NOTIFICATION</u>		
- National Response Center (SARA or CERCLA)	(800) 424-8802	
- SC DHEC (SARA or CERCLA) (24 hr.)	(803) 253-6488	
- York Emergency Preparedness (SARA only)	(803) 329-7270	
<u>INPO</u>		
24-Hr. Emergency Network Telephones	800-321-0614	
Emergency FAX	(770) 644-8549 (primary)	
	(770) 644-8567 (back-up)	
FAX Confirmation number	(770) 644-8732	
- Normal Switchboard	(770) 644-8000	
<u>AMERICAN NUCLEAR INSURERS (ANI)</u>		
	(860) 561-3433	

FEDERAL AGENCY TELEPHONE NUMBERS

NRC Phone Numbers in the CNS EOF

Duke Network - Dial 8 then the number
 Outside Bell Line - Dial 9 then the number

NRC Director of Operation - 382-0759 (Director's Table, Ext # 1)

NRC Table in Director's - 382-0715 (Ext. #1)
 area 382-0709 (Ext. # 1)
 382-0759 (Ext. # 2)

NRC Room - 382-0700
 382-0701
 382-0702
 382-0703
 382-0704
 382-0705
 382-0706
 382-0707
 382-0708
 382-0709 (Ext. # 2)
 382-0710
 382-0711
 382-0712
 382-0713
 382-0714
 382-0715 (Ext. # 2)
 382-0716
 382-0717

NRC State Liaison

382-0766 (State Table in Directors Area)

EOF FTS 2000 Phones

Management Counterpart Link (MCL)

700-256-0277

Health Physics Network (HPN)

700-256-0276

ENS _____ OCL _____

700-256-0281 700-256-278

PMCL _____

700-256-0279 (Rad Assessment Area)

RSCL _____

700-256-0280 (Acc. Assessment Area)

FEDERAL AGENCY TELEPHONE NUMBERS

NRC Phone Numbers in the CNS TSC

Duke Network - Dial 8 then the number
Outside Bell Line - Dial 9 Then the number

NRC Control Room to TSC Phone-

4280 (C/R)

5280 (Simulator :Drill Only)

NRC Position at Emergency Coordinator's Table-

831-8209 (Bell line, Ext. # 1)

5150 (C/R to TSC)

5250

700-256-9913 (RSCL,Ext. # 1)

NRC Area in TSC -

831-8181 (Bell Line)

831-8209 (Bell Line, Ext. #2)

831-5895 (microwave)

831-5029 (microwave)

TSC

FTS 2000 Phones (NRC Table Area)

Management Counterpart Link

700-256-9910

Health Physics Network

700-256-9909

ENS

700-256-9914

OCL

700-256-9911

Reactor Safety Counterpart Link

700-256-9913 (Ext. # 2)

Protective Measures Counterpart

700-256-9912

DUKE POWER COMPANY TELEPHONE NUMBERS

General Office

General Offices
P. O. Box 1006
Charlotte, NC 28201-1006

M. S. Tuckman
(Senior Vice President, Nuclear Generation)
Sky Pager

W: (704)382-2200

Tina Kuhr
(Nuclear Emergency Planning Consultant)

W: (704)382-3151
H: [REDACTED]
FAX: (704)382-5328

Duke Power Meteorology

(704) 594-0341

NGD Duty Engineer

Phone (704)382-5491
Pager [REDACTED]

Corporate Security

GO Security Control Center
Security Manager

382-1234
382-9967

Communications and Community Relations

Roberta Bowman (VP Communications and Community Relations)

W: (704) 382-8347
H: [REDACTED]

J. Bryant Kinney (CCR Manager)

W: (704) 382-2208
H: [REDACTED]

Coleman Jennings (EP Consultant)

W: (704) 382-8342
H: [REDACTED]

Joint Information Center (Public Information Manager)

(704)382-0610
FAX (704)382-0069

DUKE
GO

DUKE POWER COMPANY TELEPHONE NUMBERS

Catawba Nuclear Site

STATION SWITCHBOARD 803-831-3000

Catawba Nuclear Station
Duke Power Company
4800 Concord Road
York, SC 29745

Site Management	Telephone number	FAX Number
W.R. McCollum (Site Vice-President)	W: (803) 831-3200 H: [REDACTED]	(803) 831-3191
G.R. Peterson (Station Manager)	W: (803) 831-4251 H: [REDACTED]	(803) 831-3191
Mary Birch (Safety Assurance Manager)	W: (803) 831-3310 H: [REDACTED]	(803) 831-3191
Communications and Community Relations (CNS Site)	Telephone number	FAX Number
Duty Pager	[REDACTED]	
EnergyQuest	(803) 831-3609	(803) 831-3183
Rose Cummings	W: (803) 831-3600 H: [REDACTED]	
Glenn Bell	W: (803) 831-3613 H: [REDACTED]	
Catawba Emergency Planning	Telephone number	FAX Number
Steve Christopher (Emergency Planning Manager)	W: (803) 831-4027 H: [REDACTED]	(803) 831-3151
Gary Mitchell (Emergency Planner)	W: (803) 831-3235 H: [REDACTED]	(803) 831-3151
Rusty Smith (Emergency Planner)	W: (803) 831-3691 H: [REDACTED]	(803) 831-3151
Tim Daniels (Emergency Planner)	W: (803) 831-4204 H: [REDACTED]	(803) 831-3151
Scott Ledford (Emergency Planning Training)	W: (803) 831-3233 H: [REDACTED]	(803) 831-3151
Toni Pasour	W: (803) 831-3566 H: [REDACTED]	(803) 831-3151

DUKE POWER COMPANY TELEPHONE NUMBERS

SECURITY (CAS)

Security Manager	831-3761
MNS Security Manager	8775-4228
Central Alarm Station (CAS)	831-3253/5364/2393
Secondary Alarm Station (SAS)	831-3377/3255
Badging	5332

CNS Emergency Facilities

Emergency Facilities (Communicator's area)	Selective Signaling	Telephone Number	FAX Number	Radio Call Sign	FM Radio Code
Emergency Operations Facility	111	(704)382-0724	(704)382-0722	WNLK241 (NC) WNLU432 (SC)	KNHB778
Catawba Technical Support Center	512	(803)831-7410 (Offsite certification/confirmation line) (803)831-3438 (Selective Signaling Back-up line) Other Numbers: 3429/5893/3746	(803)831-3532	WNLK241 (NC) WNLU432 (SC)	KNHB778
Catawba Control Room	511	(803)831-8185 (Off-site verification/confirmation line) (803) 831-3515 (Selective Signaling Back-up line) 4280 (NRC: C/R to TSC Dedicated Line)	(803)831-3185	N/A	KNIB778
Catawba Simulator (Drill Only)	517	(803)831-3807 (Off-site verification/confirmation line) (803)831-3337 (Selective Signaling back-up line) 5280 (NRC: C/R to TSC Dedicated Line) (803)831-3167 (Simulator Wall)	(803)831-3153	N/A	KNIB778

Catawba Evacuation Sites

SITE ALPHA (Newport)

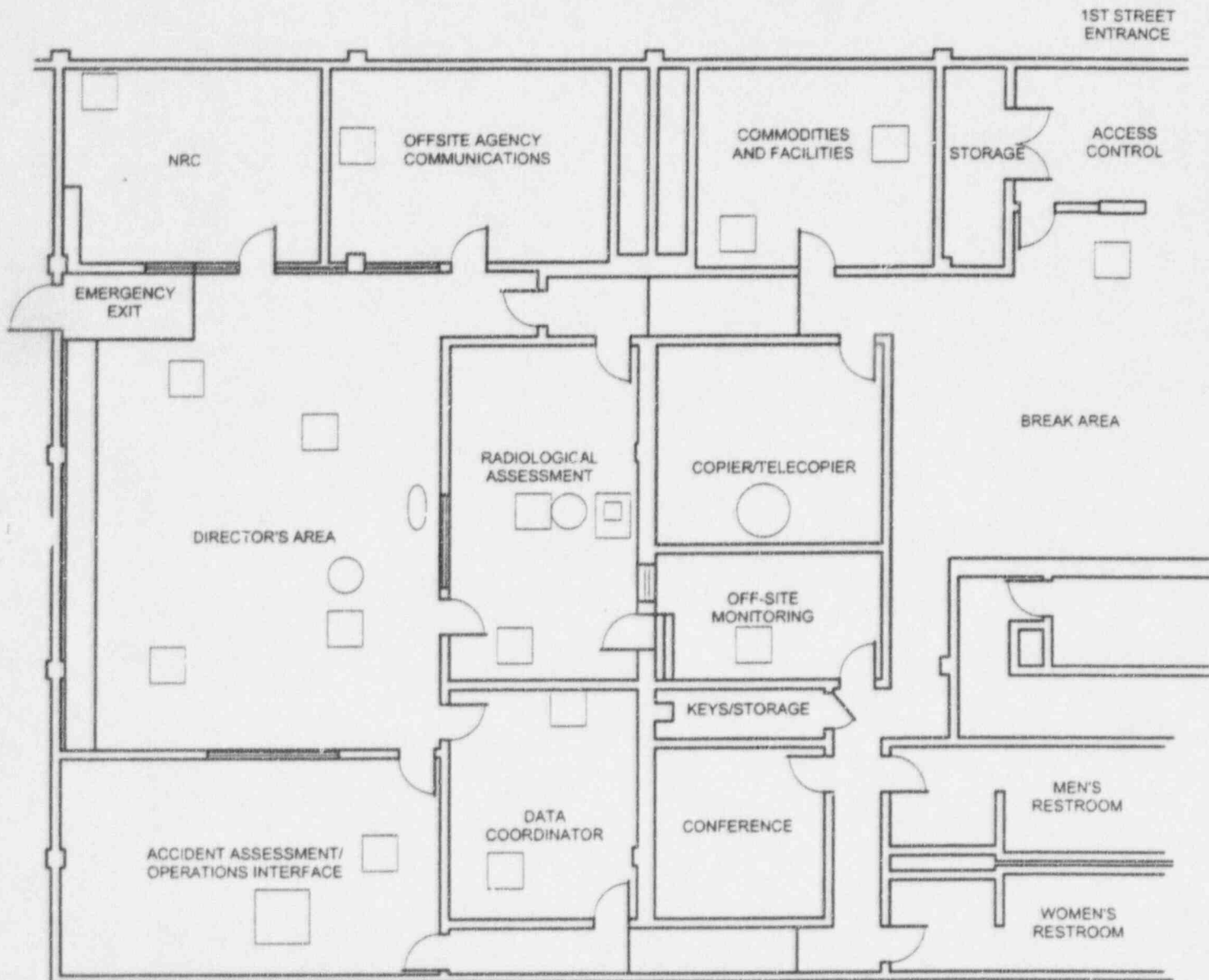
704-382-2281
803-366-4777

SITE BRAVO (Allen)

704-825-2022
704-382-8525
8-825-0000 (Duke Microwave)

DUKE
CNS

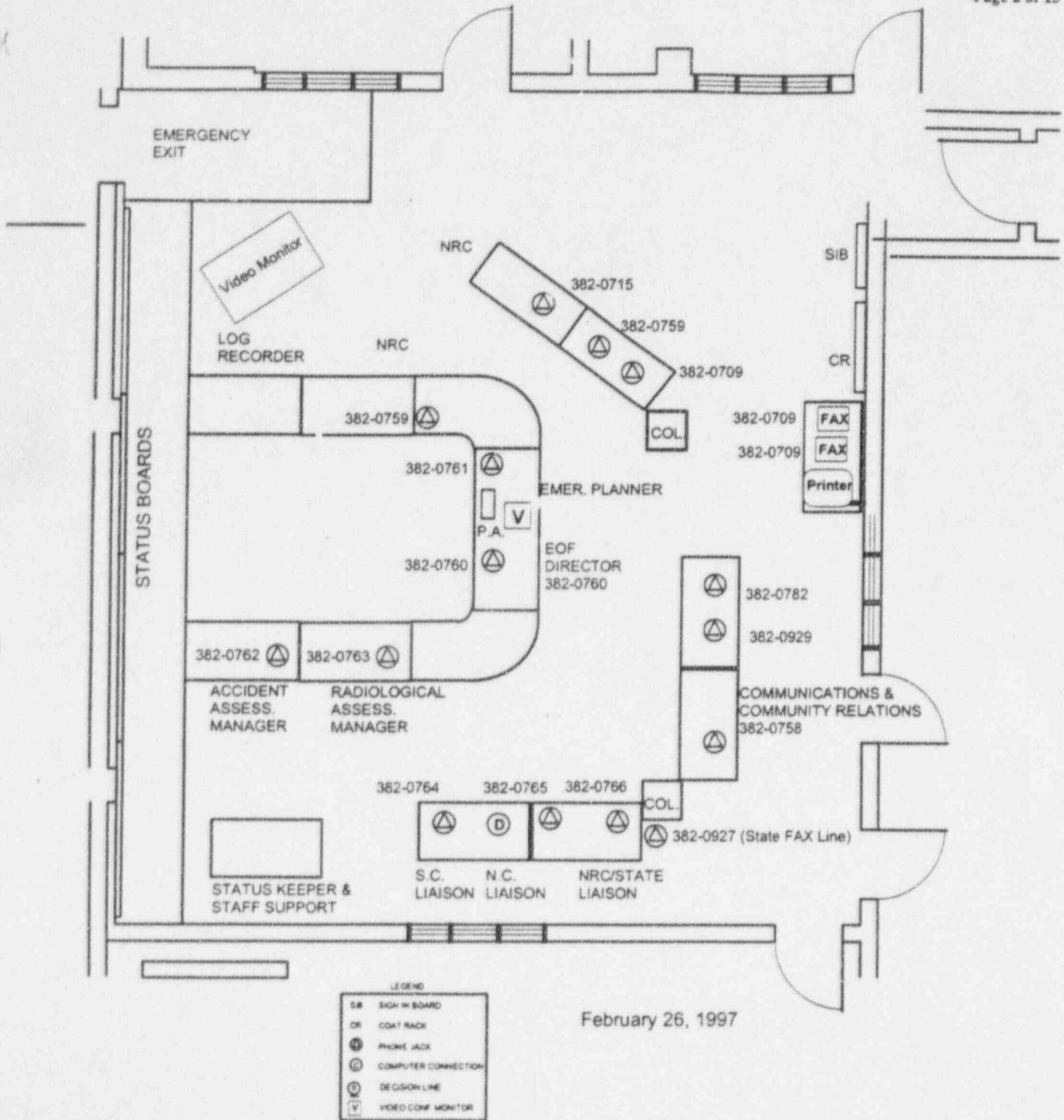
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February 26, 1997

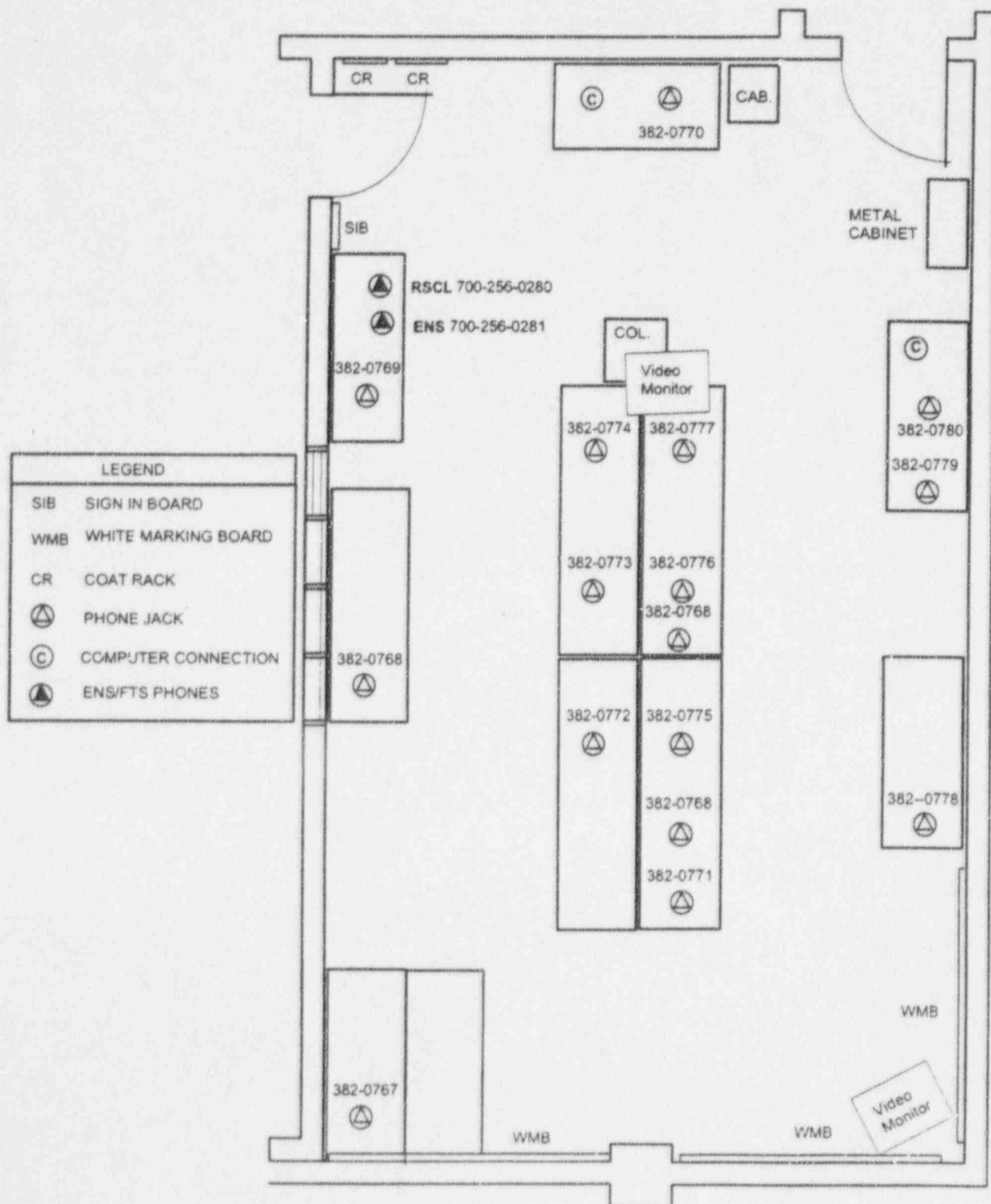
EOF Director's Area

RP/0/B/5000/16
Enclosure 4.21
Page 2 of 13

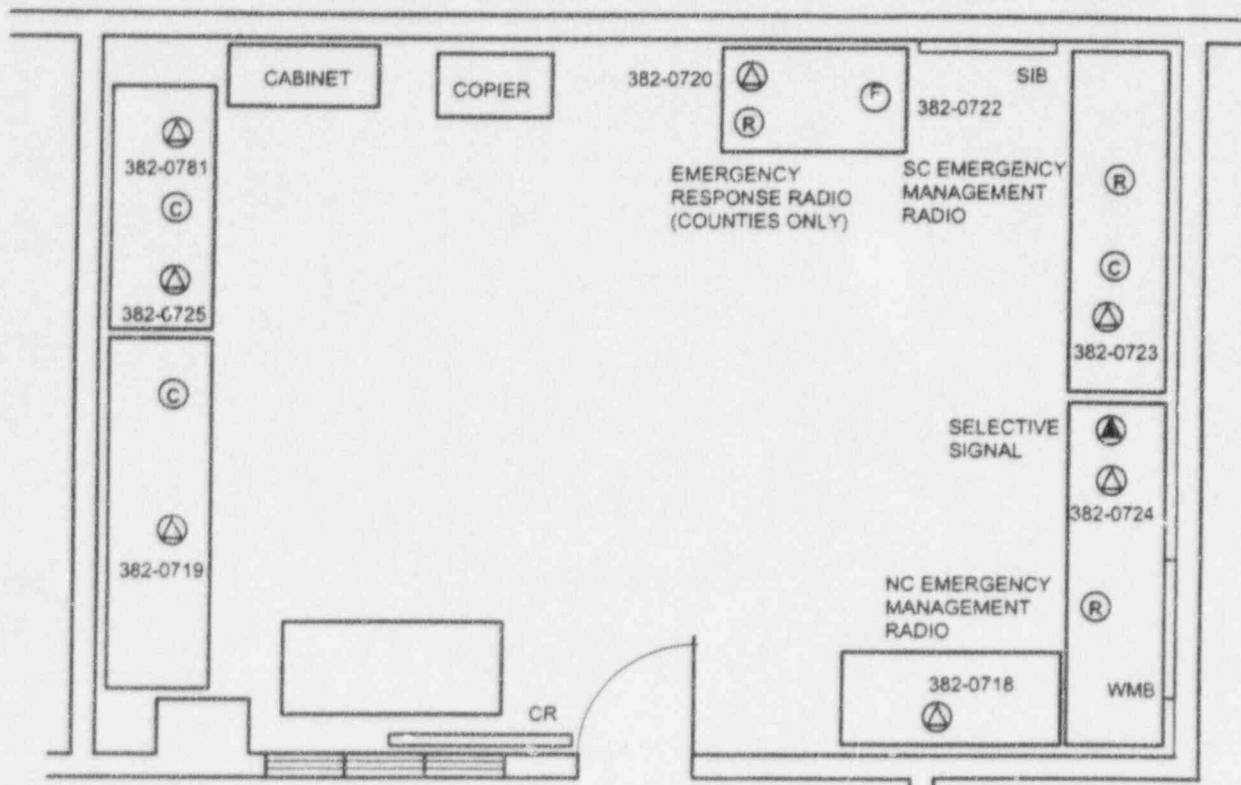


February 26, 1997

EOF ACCIDENT ASSESSMENT/ OPERATIONS INTERFACE



EOF OFF-SITE AGENCY COMMUNICATIONS

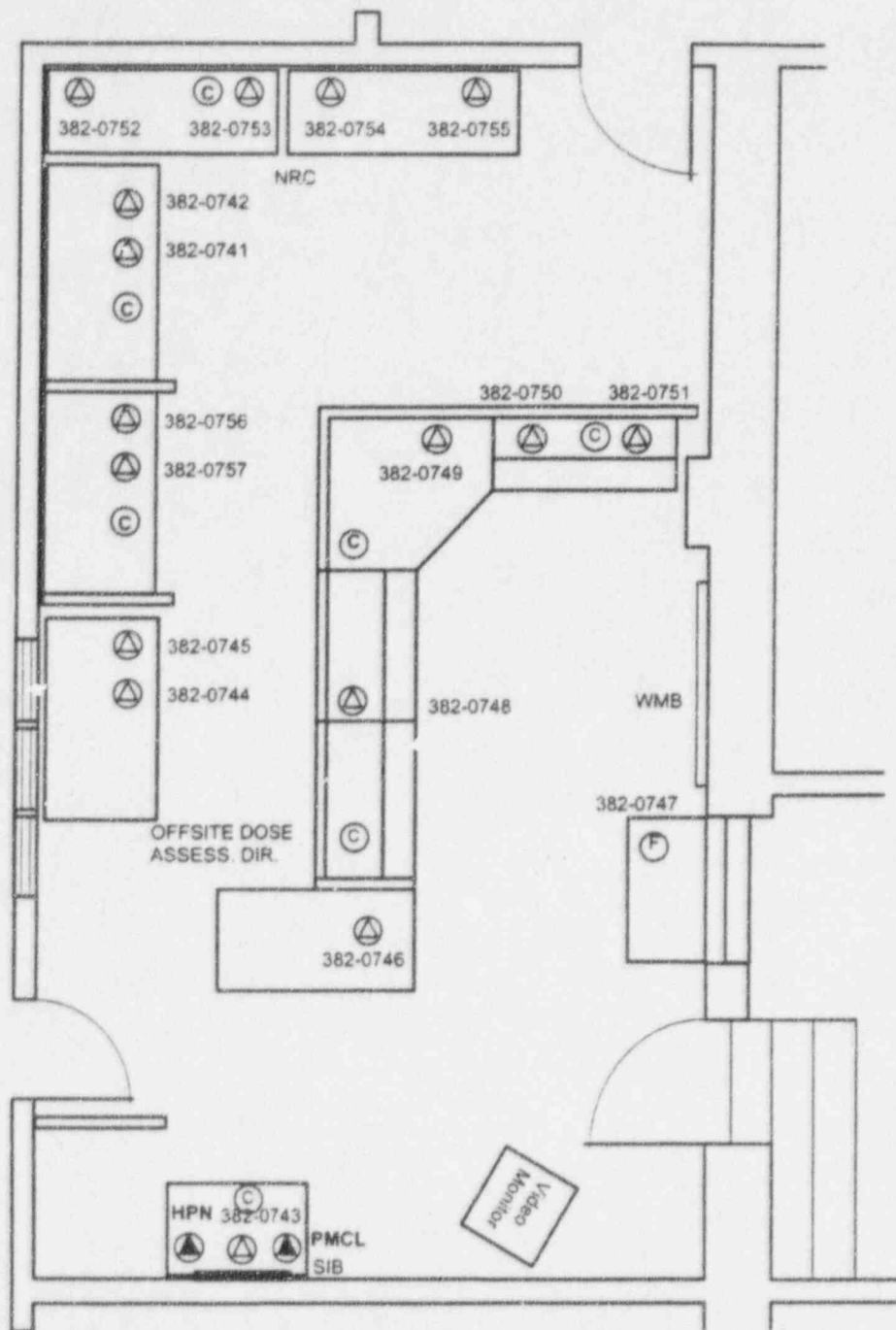


LEGEND			
SIB	SIGN IN BOARD	☎	PHONE JACK
WMB	WHITE MARKING BOARD	Ⓢ	COMPUTER CONNECTION
CR	COAT RACK	⚡	SELECTIVE SIGNALING
☎	FAX	Ⓡ	RADIO JACK

February 26, 1997

EOF RADIOLOGICAL ASSESSMENT

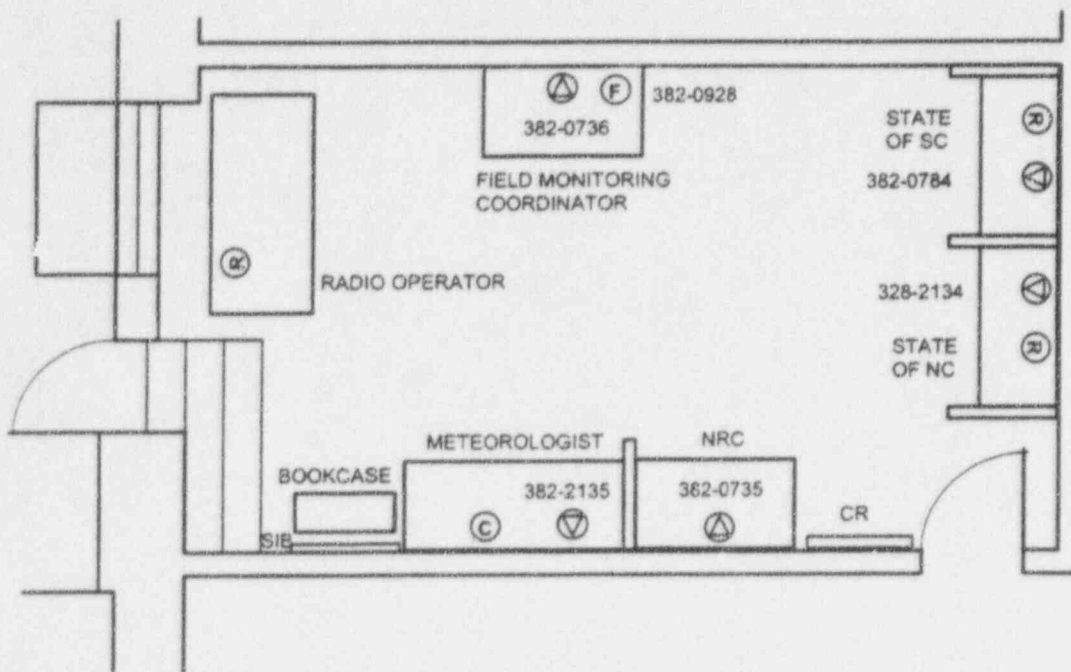
RP/0/B/5000/16
ENCLOSURE 4.21
PAGE 5 OF 13



LEGEND			
SIB	SIGN IN BOARD	△	PHONE JACK
WMB	WHITE MARKING BOARD	⊙	COMPUTER CONNECTION
CR	COAT RACK	⬆	HPN PHONE
Ⓣ	FAX	⊙	RADIO JACK

February 26, 1997

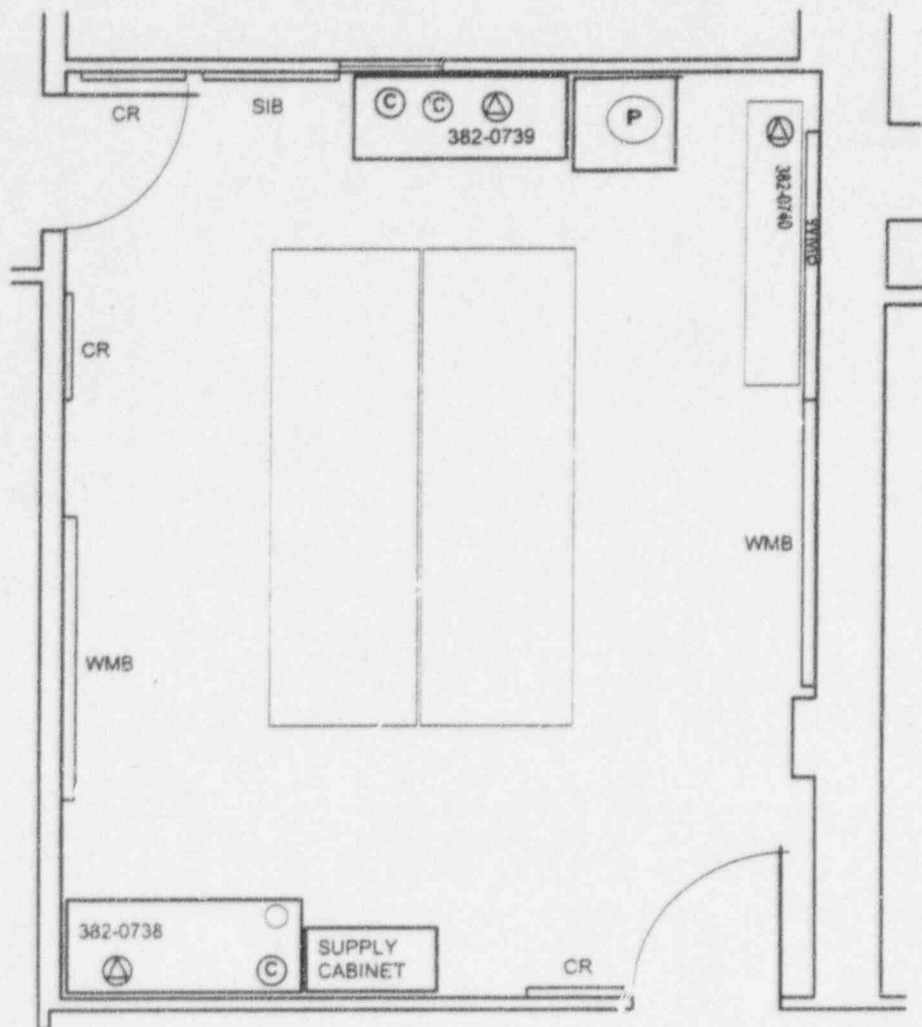
EOF OFF-SITE MONITORING AREA



LEGEND	
SIB	SIGN IN BOARD
CR	COAT RACK
(A)	PHONE JACK
(C)	COMPUTER CONNECTION
(R)	RADIO JACK

February 26, 1997

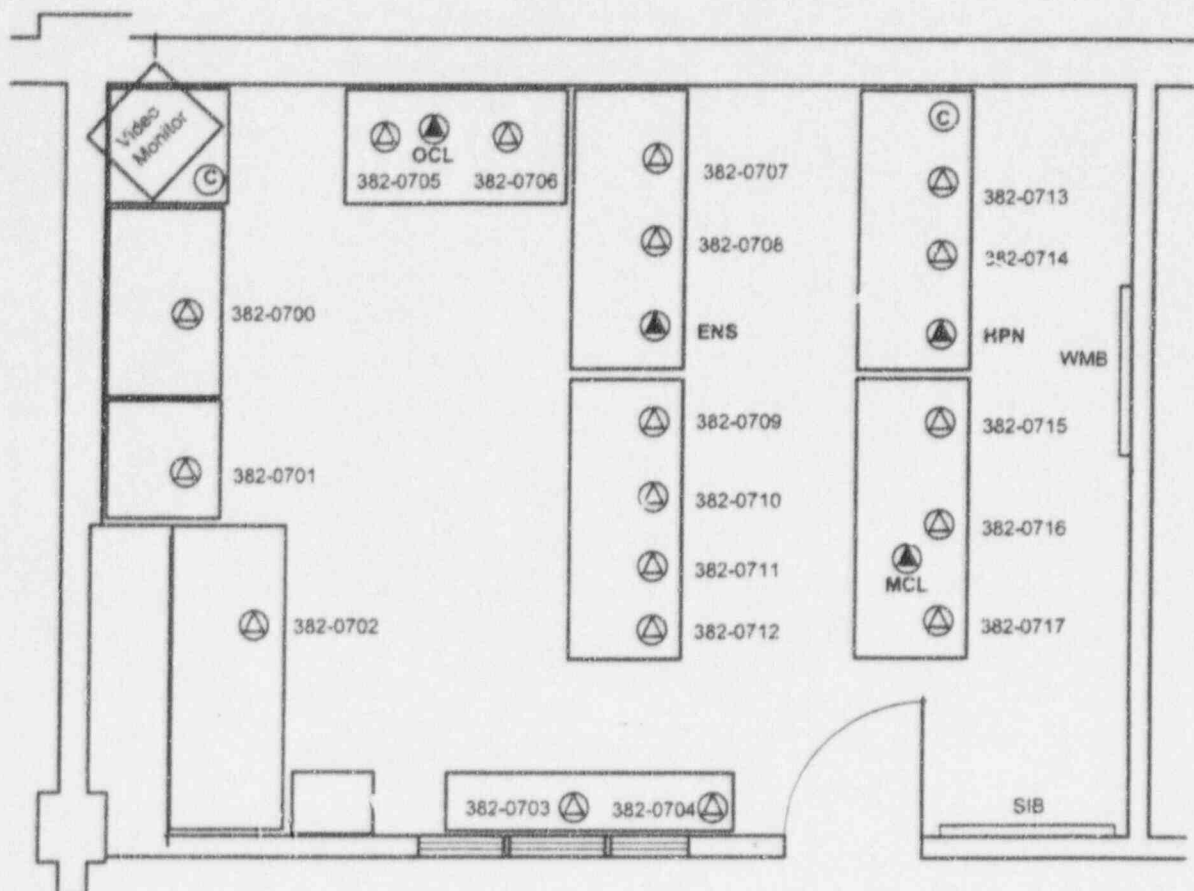
EOF DATA COORDINATORS



LEGEND	
SIB	SIGN IN BOARD
WMB	WHITE MARKING BOARD
CR	COAT RACK
(A)	PHONE JACK
(C)	COMPUTER CONNECTION
(P)	PRINTER

February 26, 1997

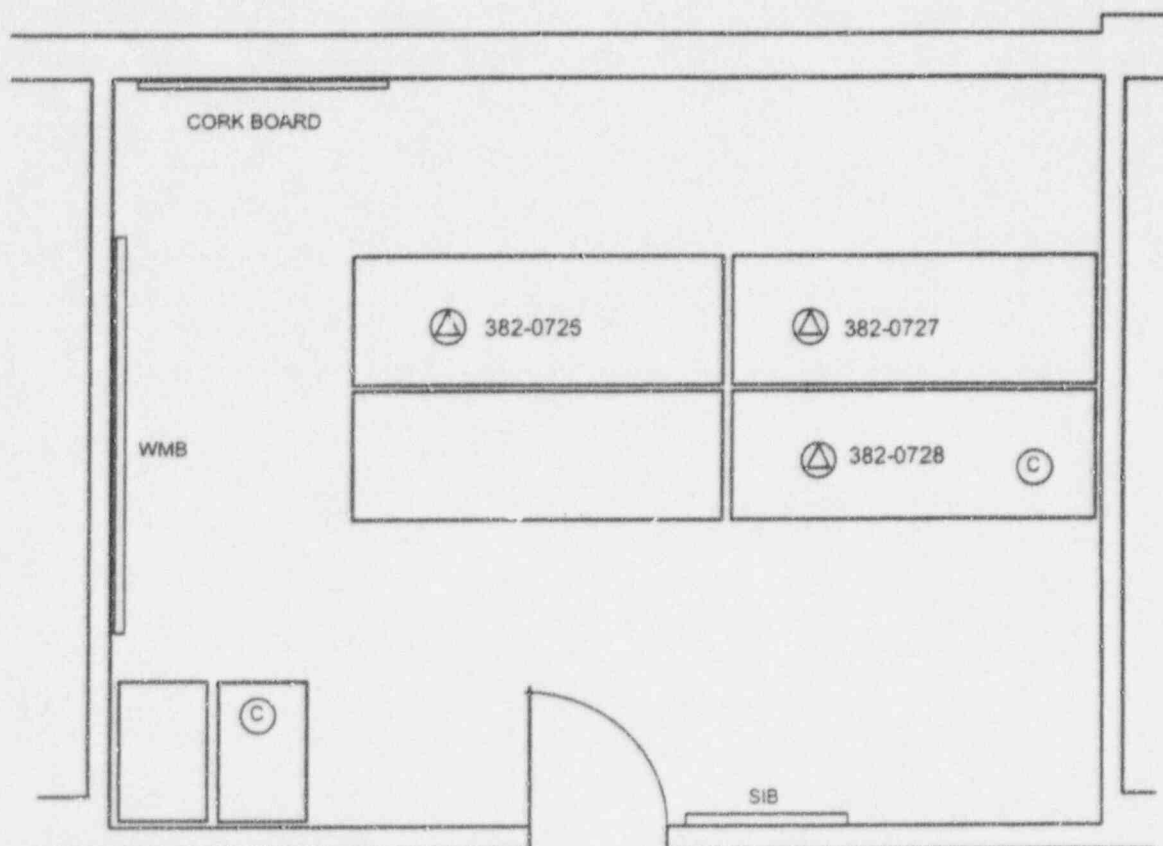
EOF NRC ROOM





LEGEND	
SIB	SIGN IN BOARD
WMB	WHITE MARKING BOARD
	PHONE JACK
	COMPUTER CONNECTION
	ENS/FTS PHONES

February 26, 1997

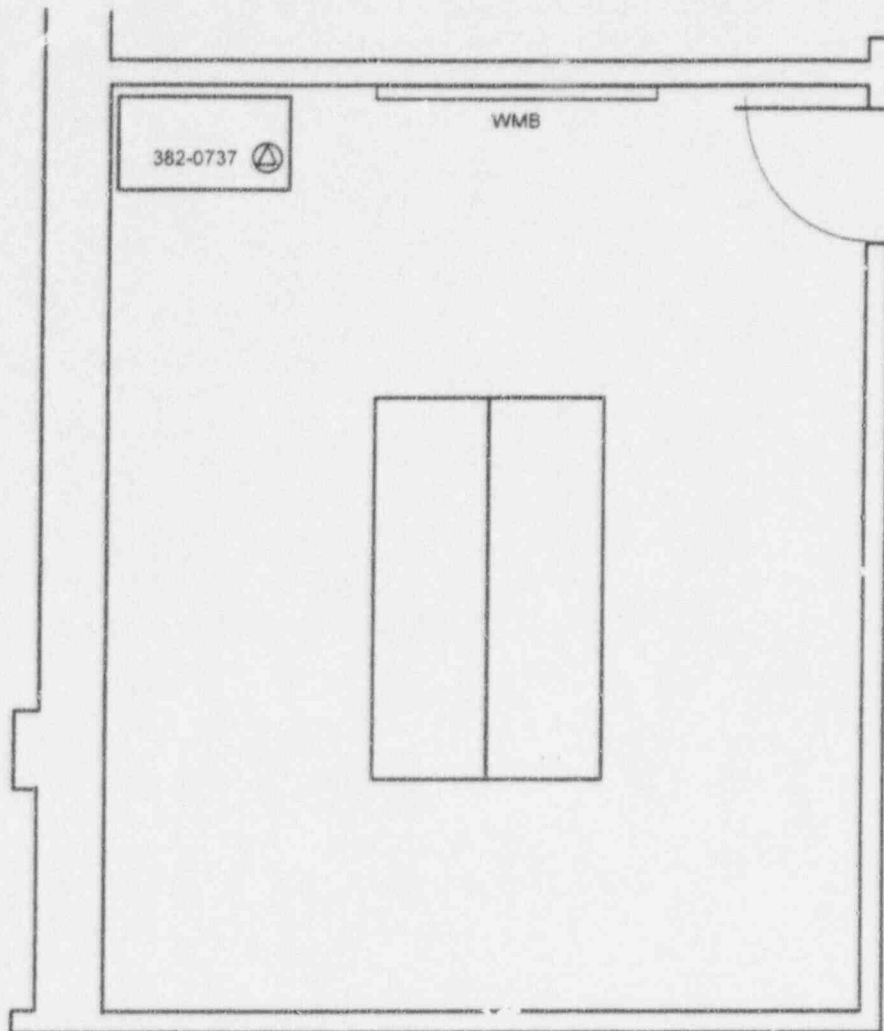
EOF COMMODITIES AND FACILITIES



LEGEND	
SIB	SIGN IN BOARD
WMB	WHITE MARKING BOARD
	PHONE JACK
	COMPUTER

February 26, 1997

EOF CONFERENCE ROOM



LEGEND	
SIB	SIGN IN BOARD
WMB	WHITE MARKING BOARD
CR	COAT RACK
△	PHONE JACK
Ⓢ	COMPUTER CONNECTION

February 26, 1997

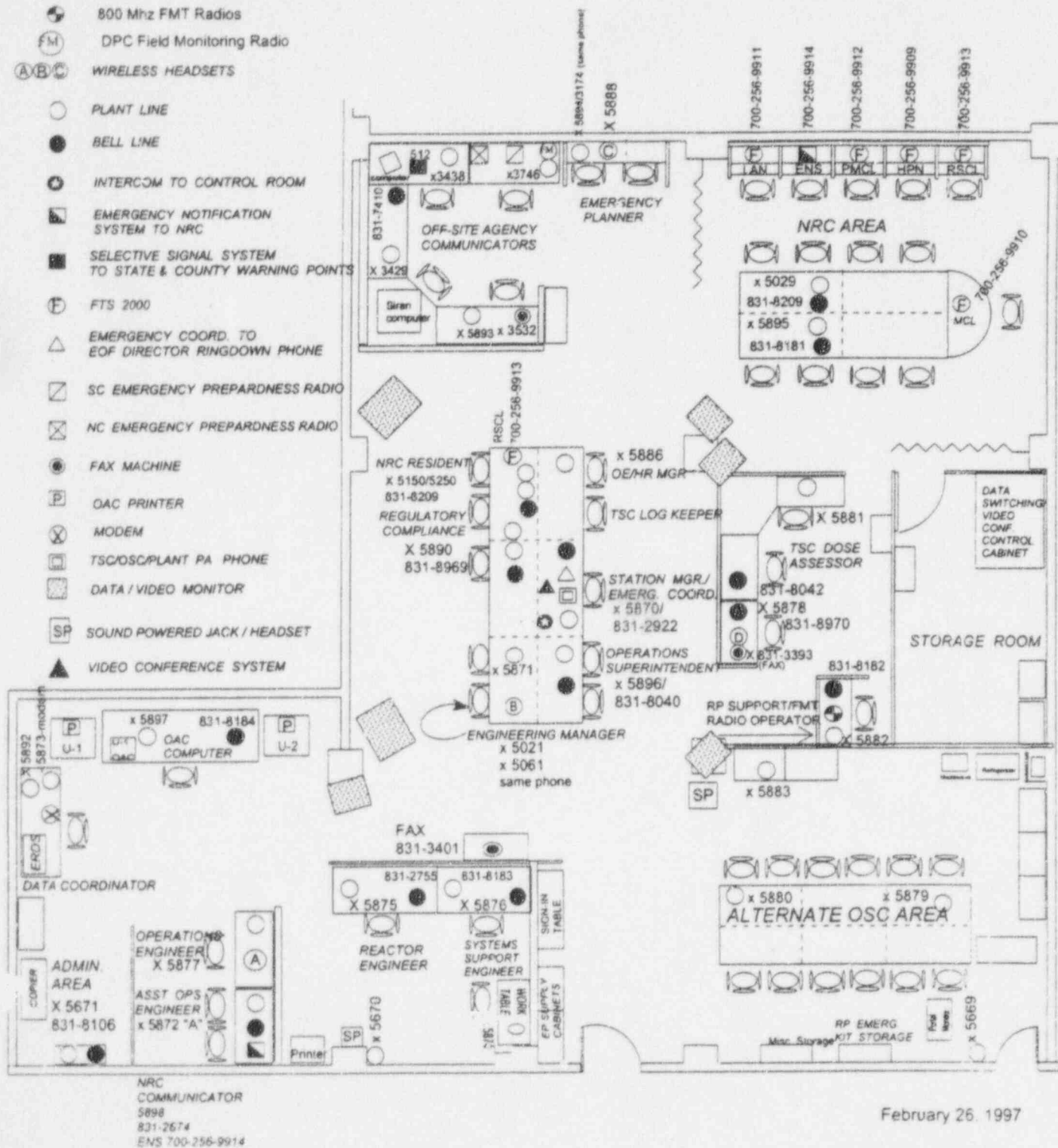
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CATAWBA NUCLEAR STATION TECHNICAL SUPPORT CENTER

RP/0/B/5000/16
ENCLOSURE 4.21
Page 12 of 13

TYPES OF COMMUNICATION

- 800 Mhz FMT Radios
- DPC Field Monitoring Radio
- WIRELESS HEADSETS
- PLANT LINE
- BELL LINE
- INTERCOM TO CONTROL ROOM
- EMERGENCY NOTIFICATION SYSTEM TO NRC
- SELECTIVE SIGNAL SYSTEM TO STATE & COUNTY WARNING POINTS
- FTS 2000
- EMERGENCY COORD. TO EOP DIRECTOR RINGDOWN PHONE
- SC EMERGENCY PREPAREDNESS RADIO
- NC EMERGENCY PREPAREDNESS RADIO
- FAX MACHINE
- OAC PRINTER
- MODEM
- TSC/OSC/PLANT PA PHONE
- DATA / VIDEO MONITOR
- SOUND POWERED JACK / HEADSET
- VIDEO CONFERENCE SYSTEM

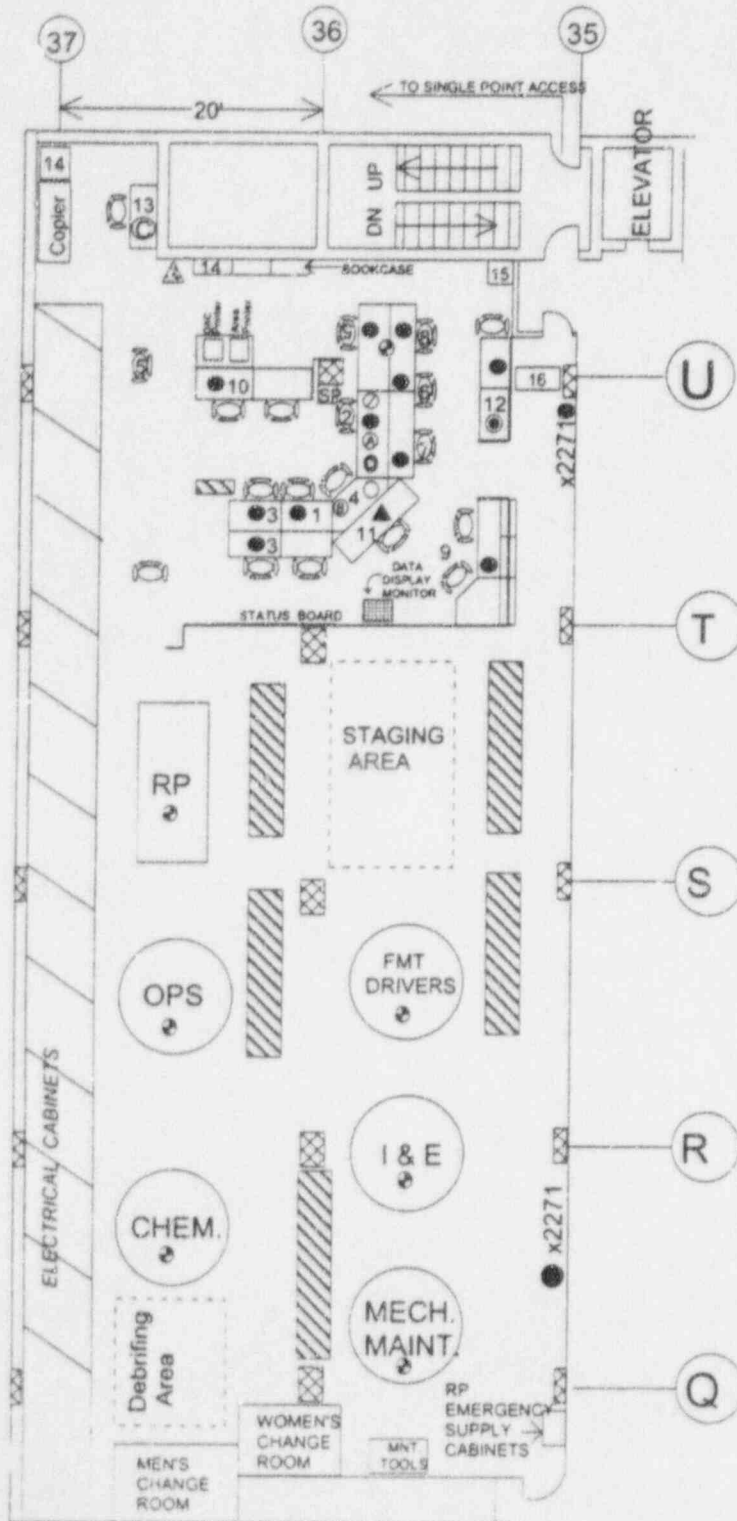


February 26, 1997

CATAWBA NUCLEAR STATION OPERATIONS SUPPORT CENTER

RP/0/B/5000/16
ENCLOSURE 4.21
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SERVICE BUILDING
574 ELEVATION



- PLANT PHONE
- PLANT PHONE/SPEAKER PHONE
- ▲ PLANT PA SPEAKER
- ABC WIRELESS HEADSETS
- OPS PLANT RADIO
- ▲ VIDEO CONFERENCE SYSTEM
- OSC FAX
- ★ INTERCOM TO CONTROL ROOM
- SP SOUND POWERED JACK / HEADSET
- OSC INTERCOM SYSTEM

1. SAFETY MGR. 5936
2. OPS OSC SUPERVISOR (5458) 5935, 2352
3. RP MANAGER (2) 5938
RP SUPERVISOR 5452
4. OSC COORDINATOR (5934) 5457
5. COMMOD. & FAC. MGR. 5969
6. MECH. MAINT. MGR. 5453
7. I & E MGR. 5456
8. EQUIPMENT ENG. 5968
9. RP DRC SUPERVISOR 5939
10. CHEMISTRY MGR. 5454
5517
11. OSC LOG/STATUS KEEPER
12. OSC FAX 5518
13. EMERGENCY PLANNER (5937) 5114
14. SUPPLY CABINETS
15. VIDEO/DATA MASTER CONTROLS
16. OSC PORTAL MONITOR

() WIRELESS HEADSET NUMBERS.
THESE CANNOT BE DIALED TO
WHEN RADIO IS IN USE.

- REPAIR / ASSESSMENT TEAMS

Procedure Cross Reference Guide and Verification

This enclosure is used in conjunction with the periodic communications verification (PT/0/B/4600/05)

Verified By (Initial)	Procedure () = Cross reference Review	Designated Phone Numbers () = Phone # verification	Quarterly Verification	Annual Verification
	RP/0/A/5000/01	N/A		
	() RP/0/A/5000/02 Notification of Unusual Event	() Station Manager () CAS () 1 st Alternate () 2 nd Alternate () 3 rd Alternate () 4 th Alternate () 5 th Alternate () Senior Vice President () ERO Group Pager Activation Number Page:	X X X X X X X X	
	() RP/0/A/5000/03 Alert	() Security Shift Supervisor () ERO Group Pager Activation Number Pager () Community Alert Network (CAN) Hotline () Community Alert Network (CAN) Backup () CAN Call back number () Senior Vice President	X X X X X X X	
	() RP/0/A/5000/04 Site Area Emergency	() Security Shift Supervisor () ERO Group Pager Activation NumberPager () Community Alert Network (CAN) Hotline () Community Alert Network (CAN) Backup () CAN Call back number () Senior Vice President	X X X X X X X	
	() RP/0/A/5000/05 General Emergency	() Security Shift Supervisor () ERO Group Pager Activation NumberPager () Community Alert Network (CAN) Hotline () Community Alert Network (CAN) Backup () CAN Call back number () Senior Vice President () National Weather Service (Monthly)	X X X X X X X X	

Verified By (Initial)	Procedure () = Cross reference Review	Designated Phone Numbers () = Phone # verification	Quarterly Verification	Annual Verification
_____	() RP/0/A/5000/06A Notifications to States and Counties from the Control Room	() York County WP/EOC () Mecklenburg County WP/EOC () Gaston County WP/EOC () SC WP/EOC () NC WP/EOC () Control Room Confirmation Number () TSC Confirmation Number () EOF Confirmation Number () Fax Numbers (York, Gaston, Mecklenburg, SC, NC, TSC, EOF, JIC, EnergyQuest) () Fax Numbers - Host Counties () Other Duke Power Numbers () Other SC Numbers () Other NC Numbers	X X X X X X X X X	 X X X X
_____	() RP/0/A/5000/06B Notifications to States and Counties from the Technical Support Center	() York County WP/EOC () Mecklenburg County WP/EOC () Gaston County WP/EOC () SC WP/EOC () NC WP/EOC () Control Room Confirmation Number () TSC Confirmation Number () Fax Numbers (York, Gaston, Mecklenburg, SC, NC, TSC, EOF, JIC, EnergyQuest) () Fax Numbers - Host Counties () Other Duke Power Numbers () Other SC Numbers () Other NC Numbers	X X X X X X X X X	 X X X X
_____	() RP/0/A/5000/06C Notifications to States and Counties from the Emergency Operations Facility	() York County WP/EOC () Mecklenburg County WP/EOC () Gaston County WP/EOC () SC WP/EOC () NC WP/EOC () EOF Confirmation Number () Fax Numbers (York, Gaston, Mecklenburg, SC, NC, TSC, EOF, JIC, EnergyQuest) () Fax Numbers - Host Counties	X X X X X X X X	 X
_____	() RP/0/A/5000/07 Natural Disaster and Earthquake	() National Weather Service (Char. and Columbia) () Duke Meteorology Group () National Earthquake Information Service () Duke Power System Coordinator	X X X X X	

Verified By (Initial)	Procedure	Designated Phone Numbers	Quarterly Verification	Annual Verification
	() = Cross reference Review	() = Phone # verification		
	() RP/0/B/5000/08 Spill Response	() CAS () SAS () Environmental Management () Environmental Management Pager () Communications and Comm. Relations Pager & Phone Number () Commodities And Facilities Shift Personnel () Commodities And Facilities Shift Pager () DPC Toddville () York County EOC () RP Shift Technician () Duke Power Risk Management () American Nuclear Insurers () HazMat Group Pager Number () HazMat Personnel Phone Numbers () Oilspill Response Team Pager Number	X X X X X X X X X X X X X X	 X
	RP/0/A/5000/09 Collision/Explosion	() CAS	X	
	() RP/0/A/5000/10 Conducting a Site Assembly or Preparing the Site for an Evacuation	() Security () RP Shift Technician () Site Alpha () Site Bravo	X X X X	
	RP/0/A/5000/11 Deleted	N/A		
	RP/0/B/5000/12 Deleted	N/A		
	() RP/0/B/5000/13 NRC Notification Requirements	() NRC Operations Ctr (Primary) () NRC Operations Ctr (Alternate) () NRC Operations Ctr (second Alternate) () NRC Fax () NRC Region II () Regulatory Compliance Mgr () NRC Residents	X X X X X X X	
	RP/0/B/5000/14 Deleted	N/A		
	RP/0/A/5000/15 Core Damage Assessment	N/A		
	() RP/0/B/5000/16 Emergency Response Telephone Directory	() York County WP/EOC () Mecklenburg County WP/EOC () Gaston County WP/EOC () SC WP/EOC () NC WP/EOC () NRC () All other numbers	X X X X X X X	 X

Verified By (Initial)	Procedure () = Cross reference Review	Designated Phone Numbers () = Phone # verification	Quarterly Verification	Annual Verification
_____	() RP/0/B/5000/17 Emergency Response Data System Operation	() NRC Operations Ctr () NRC Switchboard () NRC Computer Room () NRC Manager, Office of Analysis and Evaluation of Operational Data	X X	 X
_____	() RP/0/A/5000/18 Emergency Worker Dose Extension	N/A		
_____	() RP/0/B/5000/19 EOF Commodities and Facilities Procedure	() All Numbers C&F Related		X
_____	() RP/0/A/5000/20 Technical Support Center Emergency Coordinator Procedure	() GO Corporate Security	X	
_____	() RP/0/A/5000/21 Emergency Operations Facility Director Procedure	() York County CDEP () Gaston CDEP () Meck CDEP () NC SDEP () SC SDEP	X X X X X	
_____	() RP/0/B/5000/22 Evacuation Coordinator Procedure	() York County EOC () Site Alpha () Site Bravo	X X X	
_____	() RP/0/B/5000/23 EOF Access Control	() OE Numbers and Duty Pagers		X
_____	() RP/0/A/5000/24 OSC Coordinator Procedure	() TSC Data Coordinator () Safety Office () OSC Safety Manager () OSC Fax () TSC OE/HR Manager () EOF Commodities and Facilities () OSC Phone Numbers	X X X X X X X	
_____	RP/0/B/5000/25 Recovery and Reentry Procedure	N/A	N/A	N/A
_____	RP/0/B/5000/26 Response to Bomb Threat	N/A	N/A	N/A
_____	() RP/0/A/5000/27 () Augmentation of Shift Utilizing the Emergency Response Organization without Emergency Declaration	() Communications and Community Relations Duty ERO Pager Activation	X X	
_____	RP/0/B/5000/28 Communications & Community Relations EnergyQuest Emergency Response Plan	JIC Phone Book - Maintained by Corporate Communications and Community Relations		

Verified
By
(Initial)

Procedure () = Cross reference Review	Designated Phone Numbers () = Phone # verification	Quarterly Verification	Annual Verification
HP/0/B/1000/06 Emergency Equipment Functional Check and Inventory	N/A		
H/0/B/1009/01 Radiation Protection Recovery Plan	N/A		
HP/0/B/1009/03 Health Physics Response Following a Primary to Secondary Leak	N/A		
() HP/0/B/1009/04 Environmental Monitoring for Emergency Conditions Within the Ten-Mile Radius of CNS	() Duke Power Emergency Facility Numbers		X
HP/0/B/1009/05 Personnel/Vehicle Monitoring for Emergency Conditions	N/A		
HP/0/B/1009/06 Alternative Method for Determining Dose Rate Within the Reactor Building	N/A		
HP/0/B/1009/07 In-Plant Particulate and Iodine Monitoring Under Accident Conditions	N/A		
() HP/0/B/1009/08 Contamination Control During Transportation of Contaminated Injured Individuals	() Control Room Emergency Number	X	
() HP/0/B/1009/09 Guidelines for Accident and Emergency Response	() Security () DOE - Savannah River Plant () TSC FAX - Dose Assessment () CNS Emergency Facility Numbers	X X X X	
HP/0/B/1009/14 Radiation Protection Actions Following an Uncontrolled Release of Radioactive Material	N/A		
HP/0/B/1009/16 Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release	N/A		
HP/0/B/1009/17 Post-Accident Containment Air Sampling System	N/A		
HP/00/B/1009/18 Deleted			
() HP/0/B/1009/19 Emergency Radio System Operation, Maintenance and Communications	() Duke Power Numbers		X

Verified
By
(Initial)

Procedure () = Cross reference Review	Designated Phone Numbers () = Phone # verification	Quarterly Verification	Annual Verification
HP/0/B/1009/24 Implementing Procedure for Estimating Food Chain Doses Under Post-Accident Conditions	N/A		
() HP/0/B/1009/25 Emergency Response Offsite Dose Projections	() Duke Meteorologist () Gastonia Automated Surface Observation System () MNS Control Room	X X X	
OP/0/A/6200/21 Operating Procedure for the Post Accident Liquid Sampling System II+	N/A		

EMERGENCY PHONE BOOK DISTRIBUTION LIST

<u>Number</u>	<u>Location - Catawba</u>	<u>No. of Copies</u>
1	Emergency Planning Manager	1
2-5	Deleted	
6-13	TSC	8
14-31	Deleted	
32-35	OSC	4
36,37	Deleted	
38	Control Room	1
39	Deleted	
40	Simulator	1
41-44	Deleted	
45-46	HP Recovery Kits for Allen & Newport	2
47-49	Deleted	
50-52	Emergency Planners	3
53	Evacuation Coordinator (Trg. Center Library)	1
	<u>LOCATION - EOF</u>	
54	Emergency Communications	1
55-59	Delete	
60	Commodities and Facilities	1
61	Delete	
62-64	Directors' Area	3
65-71	Delete	
72	Off-Site Monitoring	1
73, 74	Delete	
75-76	Off-Site Dose Assessment	2
77-82	Delete	
83-84	NRC Room	1
85-86	Accident Assessment	2
87-94	Delete	
95	Data Coordinator	1
96	Conference Room	1
97	Copier/FAX Room	1
98	Security Area	1
99-103	News Group - JIC	5

DECISION LINE NETWORK (DLN)

(CATAWBA)

**D
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N**

Group Call	5*
South Carolina EOC (Columbia)	58
South Carolina Forward EOC (Clover Armory)	54
North Carolina EOC (Raleigh)	35
North Carolina Area E Office (Conover)	37
Gaston County EOC	52
Mecklenburg County EOC	36
York County EOC	55
Union County NC (host county)	56
Cleveland County NC (host county)	57

*Catawba EOF (Does not answer Group Call) 11

To Report DLN Outages for Repair - 382-7762, Option 5 (Telecom SPOC)
After Hours - 8-777-0500 or 1-800-777-3853
Pager - 0500

*CNS does not have a decision line phone located at the station site

NOTE: To cancel Group calls or Individual calls, press 5#

NOTE: This network is for use by states and counties to coordinate protective action decisions, siren and EAS activation, etc. It may be used to communicate with the EOF to discuss Duke's protective action recommendations.

INSTRUCTIONS FOR THE SET-UP OF THE WIRELESS HEADSETS

1. Ensure antennas are connected and positioned in a "V" shape (both antennas/plugs labeled on rear of unit).
2. Ensure power cord is connected to the rear of unit and to an available power supply.
3. Depress the power P/B which illuminates (red) when unit is on.
4. Ensure "telephone interface" cord is attached to the back of the unit (turn locking ring clockwise to secure plug).
5. Ensure "telephone interface" cord is attached to desired Rolm phone handset plug (this may require removing handset cord from side or bottom of phone depending on phone model).
6. To utilize the "tethered headset" (limited mobility), ensure the headset cord is connected to "headset plug" on front of the unit.
7. Dial the desired number or establish a conference call and begin communications. Place the handset on the table.

NOTE: At this time the mobile headset (or tethered) is operational. Adjust volume knob slowly clockwise to desired level.

ENCLOSURE 4.4

EMERGENCY PHONE COMMUNICATIONS (FOR EMERGENCIES AND DRILLS)

INSTRUCTIONS FOR SET-UP OF WIRELESS HANDSETS

<u>CHANNEL</u>	<u>TSC</u>	<u>C/R</u>	<u>OSC</u>	<u>SIMULATOR</u>	<u>EOF</u>
A	TSC Eng Mgr Supt. of OPS Unit Manager 5872	OPS RO 5021	Unit Supv. 5458	Shift Supv. (SRO) Sim. Inst. 3806	382-0775
Normal Phone	OPS Support Manager 5877			5339	382-0771

FOR DRILLS

C Controller System (for Drills)	Lead Controller 5888	Lead Controller 5184	Lead Controller 5937	Lead Controller 2194	Lead Controller 382-0752
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SIMULATOR CONTROL ROOM - SRO DESK (5430), MC 11 (5856), MC 2 (5857) (FOR PLAYERS)

SIMULATOR INSTRUCTOR BOOTH - 3168, 5290 (FOR CONTROLLERS)

SIMULATOR PERFORMANCE TECHNICIAN - 3167

SIMULATOR NOTIFICATIONS (OUTSIDE) - 831-3807

TSC CONTROLLER - 3174/5894

OSC CONTROLLER - 5114

SECURITY CONTROLLER - (CAS-5364, 2393), (SAS-3377, 3255)

SIMULATOR FAX - 831-3153

SELECTIVE SIGNALING SYSTEM

TO OPERATE THE SYSTEM:

1. Pick up the receiver - you will not hear a dial tone.
2. Dial the number for the party you wish to speak to. If you desire more than one party, dial each individual number to tie them in.
3. If there is no answer after 15 seconds, the ring will cancel automatically.

GROUP CALL: *5

The purpose of the Group Call is to reach all five required agencies at the same time for notification of an emergency at the station. The Group Call will reach the following agencies:

1. York County
2. Gaston County
3. Mecklenburg
4. SC WP/EOC (Columbia, SC)
5. NC WP/EOC (Raleigh, NC)

PROBLEM REPORTING:

[0800-1700]: Contact Telcom SPOC at 382-7762, Option 5

[After hours]: Contact Telcom SPOC at 382-7762, Option 5
or Telcom Operations Center at 382-1961
or 1-800-782-1961

SELECTIVE SIGNALING DIRECTORY - CATAWBA**States****North Carolina**

- WP/EOC, Raleigh	314
- Area E Office, Conover, NC	211
- NC Highway Patrol, Raleigh, WP Back-up	117

South Carolina

- WP/EOC, Columbia	518
- FEOC, Clover Armory	514
Back-up Warning Point, Columbia (SCHWP)	516

Counties**Gaston**

WP/EOC	112
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Mecklenburg

Warning Point	116
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York

- WP/EOC (use for all emergency notifications)	513
- Emergency Services Director	515

Duke

Catawba Control Room	511
Catawba TSC	512
Catawba Training Center (Simulator)	517
Emergency Operations Facility	111
McGuire Control Room	311
McGuire TSC	312
MNS Simulator	313
ONS Emergency Planner	413

Other

Carowinds Theme Park	To Activate - *2, then dial 610 To Deactivate - A#
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STATE(S) EMERGENCY RADIO OPERATING INSTRUCTIONS

AGENCY CALL SIGNS:

York Co.	KNIS666	South Carolina	WBS264
Mecklenburg Co.	KCE604	North Carolina	KNBU729 (uses Baker Mtn. Twr)
Gastonia Co.	GC256		
Duke Power (NC)	WNLK241	Duke Power (SC)	WNLU432

NORTH CAROLINA (NC) EMERGENCY MANAGEMENT RADIO

To operate the radio:

1. Turn the Power Switch to "ON".
2. Select the appropriate frequency:
 - a. Frequency 1 is the Radiation Protection Frequency
 - b. Frequency 2 is the Emergency Management Frequency. This frequency can only be used to send Emergency Notifications to the North Carolina EOC.
3. Depress the bar labeled "TRANSMIT" on the microphone and say, "(Agency Call Sign) _____, this is WNLK241 -- TSC/EOF Charlotte, Over" to initiate a call. (Agency Call Sign) represents the call sign and agency name of the party desired (for example, KNBU729 -- NC-EOC-Raleigh. Release the bar.
4. The agency should respond "WNLK241, this is (Agency Call Sign), Over".
5. Once initial contact has been made with North Carolina EOC, depress the "TRANSMIT" bar again and send the message.
6. When the conversation is completed, conclude by saying "WNLK241 Clear" and release the bar.

SOUTH CAROLINA (SC) LOCAL GOVERNMENT RADIO

To operate the radio:

1. Turn the Power Switch to "ON".
2. Select the appropriate frequency:
 - a. Frequency 1 is preferred for local transmissions (e.g. York County).
 - b. Frequency 2 makes use of the Rock Hill Repeater. Use this frequency if contact with the SEOC in Columbia is needed.
3. Depress the bar labeled "TRANSMIT" on the microphone and say, "(Agency Call Sign) _____, this is WNLU432 -- TSC/EOF Charlotte, Over" to initiate a call.
4. The agency should respond "WNLU432, this is (Agency Call Sign), Over".
5. Once initial contact has been made with all needed South Carolina off-site agencies, depress the "TRANSMIT" bar again and send the message.
6. When the conversation is completed, conclude by saying "WNLU432 Out" and release the bar.

NOTE: Both State radios (frequency 2) (NC & SC) should only be used to contact the State EOC's. They should NOT be used to contact the Counties.

FIELD MONITORING EMERGENCY RADIO OPERATING INSTRUCTIONS**FIELD MONITORING RADIO**

To contact the **Counties**:

1. Turn the Power Switch to "ON".
2. Select the appropriate station using the "Black Box" switch, as follows:
 - a. **FOR EOF** - McGuire - Position "A"
 - b. **FOR EOF** - Catawba - Position "D"
 - c. **FOR CONTROL ROOM/TSC** - Position "F1"
3. Using the Zetron Communications Encoder:
 - a. Push CLEAR if display does not show "all zeros."
 - b. Push numbers for the two-digit code of the desired agency or the group call code to contact every agency serviced by the base station.

<u>Location to Call</u>	<u>Two-Digit Code</u>
All Call	20
Mecklenburg County	21
Gaston County	26
York County	41

- c. The encoder should automatically begin transmitting the tones on the radio as evidenced by the "PAGE" light. If it does not do this automatically, press the PAGE button.
 - d. Wait for the PAGE light to go out and the TALK light to go on and you are then clear to transmit your message as described in Step 4.
4. Depress the bar labeled "TRANSMIT" on the microphone and say,
 "(Agency Call Sign *,_)_____, this is (Call Sign) -- EOF/TSC/CR,
 Over."

* Agency Call Signs are as follows:

York County - KNIS666
 Mecklenburg County - KCE604
 Gaston County - KC C256
 SC - WBS264
 NC - KNBU729

FIELD MONITORING EMERGENCY RADIO OPERATING INSTRUCTIONS

Call Sign for the affected station, as follows:

- a. McGuire -- WQC700
 - b. Catawba -- KNHB778
5. The agency should respond, "(Call Sign,) _____, this is (Agency Call Sign), Over .
 6. Depress the "TRANSMIT" bar again and send the message.
 7. When the conversation is completed, conclude by saying "(Call Sign) _____ Out" and release the bar.

To contact the **TSC/EOF**:

1. Turn the Power Switch to "ON".
2. **For EOF only** - Select the appropriate station using the "Black Box" switch, as follows:
 - a. McGuire - Position "A"
 - b. Catawba - Position "D"
3. Depress the "INTERCOM" button on the radio unit and say "EOF to TSC or "TSC to EOF." Release the button.
4. TSC/EOF should respond "TSC to EOF" or "EOF" to TSC".
5. Continue to press intercom to talk and release to receive.
6. No sign-offs or call signs are needed since communication does not occur over radio.
7. The Control Room may use intercom in the same manner as the TSC.

FIELD MONITORING EMERGENCY RADIO OPERATING INSTRUCTIONS

To contact the **Field Teams**:

1. Turn the Power Switch to "ON"
Control Room/TSC - Bottom right side, base of radio
EOF - Front side, base of radio
2. Select the appropriate station using the "Black Box" switch, as follows :
 - a. **FOR EOF** - McGuire - Position "A"
 - b. **FOR EOF** - Catawba - Position "D"
 - c. **FOR CONTROL ROOM/TSC** - Position "F2"
3. Depress the bar labeled "TRANSMIT" on the microphone and say, "(Identifier,)
_____ Team, this is (Call Sign) -- EOF/TSC/CR, Over." (Identifier) is the
name of the team (for example, Alpha Team) (Call Sign) is the appropriate call
sign for the affected station, as follows:
 - a. Catawba -- **KNHB778**
 - b. McGuire -- **WQC700**
 - c. Oconee -- **WQC699**
4. The field team should respond, "(Call Sign,) _____ this is (Identifier) Team,
Over".
5. Depress the "TRANSMIT" bar again and give instructions.
6. When the conversation is completed, conclude by saying "(Call Sign) _____
Out", giving the appropriate call sign for the station affected.

CNS EMERGENCY OPERATIONS FACILITY (EOF) TELEPHONES

(EOF)

DIRECTOR'S AREA

EOF Director 382-0760 TSC/EOF Ringdown	News Group News Coordinator - 382-0758 Public Spokesperson - 382-0782 EOF Technical Asst - 382-0929	Accident Assessment Manager 382-0762	Radiological Assessment Coordinator 382-0763	State Representatives SC - 382-0764 NC - 382-0765 State FAX - 382-0927 Decision Line
NRC Director 382-0759	NRC Staff Table 382-0715 382-0709 382-0759 (2nd ext)(Dir. Table)	Emergency Planner 382-0761	EOF Logkeeper 382-0758	NRC State Liaison 382-0766

ACCESS CONTROL AREA

Access Control Desk 382-0729	Lobby/Kitchen Area 382-0730
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COMMODITIES AND FACILITIES ROOM

382-0726	382-0727	382-0728
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COPIER/FAX ROOM

382-0731	382-0733	382-0734	FAX 382-0732
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CONFERENCE ROOM

382-0737

EOF

CNS EMERGENCY OPERATIONS FACILITY (EOF) TELEPHONES **(EOF)**

OFF-SITE COMMUNICATOR'S ROOM (Emergency Communications)

Selective Signaling (Comlabs Phone) 111	Off-Site Communicator 382-0724 382-0723	FAX 382-0722	Other Area Phones 382-0718 382-0719 382-0720 382-0725 382-0781	Cellular Phones 572-3259 572-3261 572-3255*
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* GO EP Staff cellular phone

DATA COORDINATOR ROOM

382-0738 (cordless)	382-0740	382-0739
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ACCIDENT ASSESSMENT

FTS 2000 Phones (NRC)

Dedicated Line to TSC - 382-0771 Operations Interface Phone - 382-0775 NRC Communicator Phone - 382-0769
--

ENS - 700-256-0281 RSCL - 700-256-0280

EOF

Other Accident Assessment Phones

382-0767	382-0768	382-0776	382-0770	
382-0772	382-0773	382-0774	382-0780	
382-0777	382-0778	382-0779		

CNS EMERGENCY OPERATIONS FACILITY (EOF) TELEPHONES (EOF)

RADIOLOGICAL ASSESSMENT ROOM

Rad Assessment Coordinator 382-0746	Rad Assessment Coordinator (Other Phones) 382-0744 (B) 382-0745	Rad Assessment Staff 382-0748 382-0749 382-0750 382-0751	Health Physics Network (HPN) Communicator 382-0743	Rad Assessment FAX 382-0747
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State Representatives (Rad Assessment)	NRC (Rad Assessment)	FTS 2000 Phones (NRC Phones)
SC - 382-0741 382-0742	382-0752 382-0753 382-0754	HPN 700-256-0276
NC - 382-0756 382-0757	382-0755	PMCL 700-256-0279

Off-Site Monitoring Area

Field Monitoring Coordinator - 382-0736	Field Monitoring FAX - 382-0928
S.C. Radio Area - 382-0784	N.C. Radio Area - 382-2134
NRC - 382-0735	Meteorologist - 382-2135

EOF

CNS EMERGENCY OPERATIONS FACILITY (EOF) TELEPHONES
(EOF)

NRC Phone Numbers

NRC ROOM

382-0700	382-0701	382-0702	382-0703	382-0704
382-0705	382-0706	382-0707	382-0708	382-0709
382-0710	382-0711	382-0712	382-0713	382-0714
382-0715	382-0716	382-0717		

FTS 2000 Phones

MCL 700-256-0277

HPN 700-256-0276

ENS 700-256-0281

OCL 700-256-0278

NRC Extensions in the Director's Area	NRC Extensions in Off-Site Dose Assessment
NRC Director - 382-0759 (2) (Director's Table)	382-0752 382-0753 382-0754 382-0755
NRC State Liaison - 382-0766 (State Table)	
NRC Table - 382-0709 (2) 382-0715 (2) 382-0759 (2)	

EOF

CNS Joint Information Center Telephones

(JIC)

JOINT INFORMATION CENTER

Public Information Manager	382-0610
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Refer to the Joint Information Center Telephone Directory for additional JIC phone numbers.

**J
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CNS TECHNICAL SUPPORT CENTER (TSC) TELEPHONES

(TSC)

MANAGER'S AREA

Emergency Coordinator 5870 (Plant)	Supt. of OPS 5896 (Plant)	Eng. Mgr. 5021 (B channel)	TSC/OSC Communicator (not used)	HR/OE Manager 5886
831-2922 (Outside Line)	831-8040 (Outside Line)	5061	5871	
TSC/EOF Ringdown Line	5872 ("A" Channel Headset in OPS Area)			

Regulatory Compliance

831-8969	5890
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NRC Resident

831-8209 (ext #1)	5150 C/R to TSC phone (dedicated line)	831-5250 (same phone as 5150)	RSCL 700-256-9913 Ext. #1
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CNS TECHNICAL SUPPORT CENTER (TSC) TELEPHONES
(TSC)

OPERATIONS AREA

Operations Engineer	Assistant Operations Engineer	Dedicated Line to EOF Accident Assessment	NRC Communicator	ENS (FTS2000) (Ext. # 1) 700-256-9914
5877	5872 (A channel)	5898	831-2674	

RADIATION PROTECTION

Off-Site Dose Assessment

TSC Dose Assessor	Dose Assessment FAX	RP Support/FMT Radio Operator's Area	FMT Cellular Phones
5878 ("D" Cannel)			(803) 372-9021 (FMT 1)
5881	831-3393	831-8182	(803) 372-9022 (FMT 2)
831-8042		5882	(803) 372-9023 (Alpha)
831-8970			(803) 372-9024 (Bravo)

Alternate OSC Area

5880	5879	5883 ("C" channel)	5669 (wall)
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ENGINEERING AREA

Systems Support Engineer

831-8183	5876	5874 (work table)	5670 (wall)
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Reactor Engineering

831-2755	5875
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**T
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CNS TECHNICAL SUPPORT CENTER (TSC) TELEPHONES
(TSC)

OFF-SITE AGENCY COMMUNICATOR

3438	831-7415	831-3532 FAX	512 (Selective Signaling)
5893	3429	831-3746	

DATA COORDINATOR

Data Coordinator

5873 (modem)	5892
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OAC Area

831-8184	5897
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COPIER/FAX /SIGN-IN BOARD AREA

5671	831-8106	831-3401 FAX
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EMERGENCY PLANNING

5894/3174 (same phone)	5888
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NRC TABLE

5895	5029	831-8209 (ext. # 2)	831 8181
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FTS 2000 Phones

Management Counterpart Link (MCL)	700-256-9910
Health Physics Network (HPN)	700-256-9909
Reactor Safety Counterpart Link (RSCL)	700-256-9913 (Ext. # 2)
Protective Measures Counterpart (PMCL)	700-256-9912
Emergency Notification System (ENS)	700-256-9914 (Ext. # 2)
Local Area Network (OCL)	700-256-9911

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Duke Power Company PROCEDURE PROCESS RECORD

(1) ID No. RP/0/B/5000/17Revision No. Retype #3**PREPARATION**

- (2) Station Catawba
- (3) Procedure Title Emergency Response Data Sysytem Operation
- (4) Prepared By [Signature] Date 3/10/97
- (5) Requires 10CFR50.59 evaluation?
- ☒ Yes (New procedure or reissue with major changes)
- ☐ No (Reissue with minor changes OR to incorporate previously approved changes)
- (6) Reviewed By [Signature] (QR) Date 3/10/97
- Cross-Disciplinary Review By [Signature] (QR) NA [Signature] Date 3/10/97
- Reactivity Mgmt. Review By [Signature] (QR) NA [Signature] Date 3/10/97
- (7) Additional Reviews
- Reviewed By _____ Date _____
- Reviewed By _____ Date _____
- (8) Temporary Approval (if necessary)
- By _____ (SRO/QR) Date _____
- By _____ (QR) Date _____
- (9) Approved By [Signature] Date 3/11/97

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

- (10) Compared with Control Copy _____ Date _____
- Compared with Control Copy _____ Date _____
- Compared with Control Copy _____ Date _____
- (11) Date(s) Performed _____
- Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
- ☐ Yes ☐ N/A Check lists and/or blanks initialed, signed, dated, or filled in N/A, as appropriate?
- ☐ Yes ☐ N/A Listed enclosures attached?
- ☐ Yes ☐ N/A Data sheets attached, completed, dated, and signed?
- ☐ Yes ☐ N/A Charts, graphs, etc. attached, dated, identified, and marked?
- ☐ Yes ☐ N/A Procedure requirements met?

- Verified By _____ Date _____
- (13) Procedure Completion Approved _____ Date _____
- (14) Remarks (attach additional pages, if necessary)

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY RESPONSE DATA SYSTEM OPERATION

1.0 SYMPTOMS

An emergency classified as an Alert or higher has been declared. It has been requested that data be transmitted to the NRC via ERDS (Emergency Response Data System).

2.0 IMMEDIATE ACTIONS

None

3.0 SUBSEQUENT ACTIONS

NOTE: Operation of the ERDS system is normally the responsibility of the TSC Data Coordinator.

- 3.1 Within one (1) hour of the declaration of an Alert or higher classification, initiate ERDS data transmission to the NRC per the directions in Enclosure 4.1.

4.0 ENCLOSURES

- 4.1 ERDS Operation
4.2 ERDS Block Diagram

ENCLOSURE 4.1 ERDS OPERATION

1.0 PURPOSE

The purpose of this procedure is to provide the operation of the Emergency Response Data System which transmits plant data to the NRC from Catawba in the event of an emergency or a drill.

2.0 REFERENCES

- 2.1 Catawba Emergency Plan Figure O-2.6
- 2.2 10CFR50 Appendix E Section J - Emergency Response Data System

3.0 LIMITS AND PRECAUTIONS

- 3.1 If you have problems with the computerized method of data transmittal, the EOF or TSC can send data to the NRC via FAX or voice communications.

4.0 PROCEDURE

For Unit 1 only:

4.1 ERDS Activation

- 4.1.1 On an OAC workstation connected to the Unit 1 OAC, enter **CSL** and raise the security level of the workstation to a level from 0 to 4.
- 4.1.2 Start the ERDS application by entering **ERDS**.
- 4.1.3 Select the **Activate** button.
- 4.1.4 Call NRC Operations (301) 816-5100 and inform them of the reason for the ERDS activation.

4.2 ERDS Termination

- 4.2.1 On an OAC workstation connected to the Unit 1 OAC, enter **CSL** and raise the security level of the workstation to a 1.
- 4.2.2 Start the ERDS application by entering **ERDS**.
- 4.2.3 Select the **Terminate** button.
- 4.2.4 Call NRC Operations (~01) 816-5100 and inform them of ERDS termination.

For Unit 2 only:

NOTE: "Selecting" a menu option should be performed by use of the arrow keys followed by pressing the "Enter" key.

4.3 Preparation for ERDS Activation

- 4.3.1 Go to the OAC room. Locate the Unit 2 Analog DMACS PC (labeled **CN2910**).
- 4.3.2 Ensure that the Unit 2 Analog DMACS PC is powered up and DMACS has automatically started.
- 4.3.3 In the TSC, power up the ERDS PC. The PC will automatically start DMACS and the ERDS XTALK software.
- 4.3.4 Ensure that the ERDS modem is powered up. This can be verified by toggling the power button on the back of the modem and observing that the front panel lights flash briefly.

4.4 ERDS Activation

- 4.4.1 Select **"ERDS Manual Control"** from the menu. Select Unit 2 to activate.
- 4.4.2 Examine the Status screen. Errors are reported by red colored messages.
- 4.4.3 Call NRC Operations (301) 816-5100 and inform them of the reason for the ERDS activation.

4.5 ERDS Termination

- 4.5.1 Exit the ERDS status screen. Select **"ERDS Manual Control"**. Select **"Deactivate ERDS"**.

5.0 ERDS TROUBLESHOOTING GUIDELINES

For Unit 1 only:

- 5.1 Check the following using a workstation connected to the Unit 1 OAC:
 - 5.1.1 Check the ERDS status screen for error messages.
 - 5.1.2 Check the logical points used to indicate ERDS status. These include C1L1200 and C1L1201.
 - 5.1.3 Check the OAC points that are being transmitted.

For Unit 2 only:

- 5.2 To verify that the ERDS system is receiving data from the OACs or the simulator:
 - 5.2.1 Exit the ERDS XTALK program. The DMACS menu will display.
 - 5.2.2 From the DMACS menu, select **Network Status Display**. Verify the status for the appropriate DMACS nodes (CN1910 for U.1 OAC, CN2910 for U.2 OAC, and CN3900 for sim.).
 - 5.2.3 Execute the **ERDS TEST** menu item. A set of data will be obtained and displayed from each Unit's OAC and the simulator.
 - 5.2.4 The data set consists of header information (date/time stamp) and about 75 sets of plant data (point ID, value, and an integer indicating quality). Check the date/time stamp and the data set for valid plant data values. Invalid data is indicated by "????????".
 - 5.2.5 Select the **ERDS** menu item to restart the ERDS XTALK program.

For Both Unit 1 and 2:

- 5.3. Problems with the communications with the NRC can be due to problems with the FTS2000 phone system connections or the NRC's receiving ERDS computer in Bethesda.
 - 5.3.1 For phone problems, check to see if other FTS2000 phones in the TSC are still operable. If needed, swap phone lines to a Duke Lake Wylie line. Then change the phone number.

On Unit 1: The file MSERDSZ.D must be edited on the primary processor to use the new phone number. Then ERDS activation can be performed.

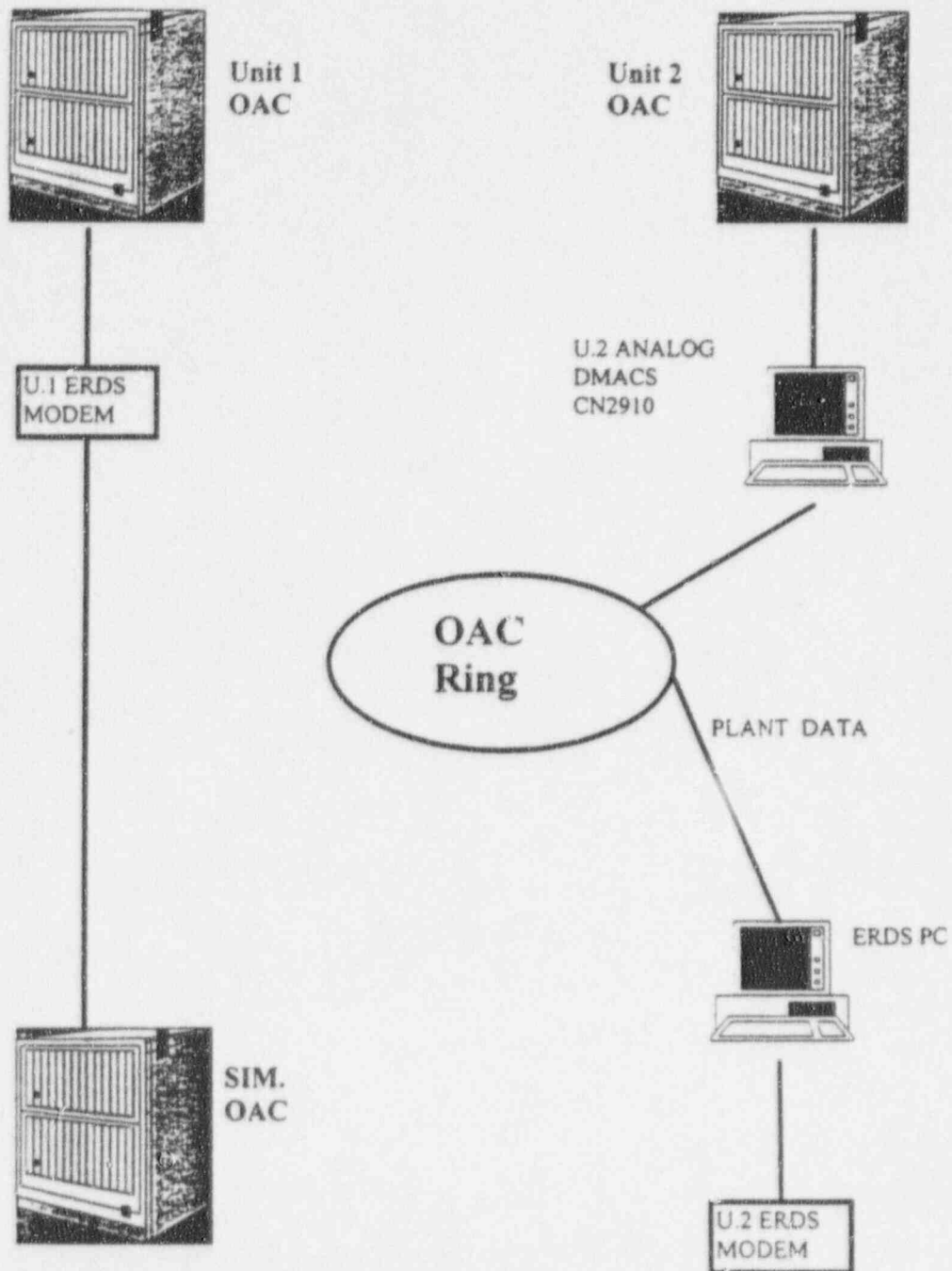
On Unit 2: This can be done using the ERDS Configuration option. Select **"Configure Plant 2"**. Use the down arrow to select the phone number and hit enter. Select the second one in the list (i.e. a 1 prefix is needed).
 - 5.3.2 For NRC ERDS connection problems, contact the NRC. Sometimes the problem is that once ERDS is activated and then interrupted, there are problems getting the NRC ERDS computer to accept an automatic resumption of the ERDS connection.

On Unit 1: Error messages will display on the ERDS screen. Use the **Reconnect** button to initiate a manual reconnection to the NRC.

On Unit 2: This is indicated by repeated receipt of "NRC Link Denied" messages on the ERDS Status screen. A **Manual Reconnection** can be attempted.

- 5.3.3 If needed, call the NRC computer room and request that they terminate the link there. Ask them to advise you as to the nature of the problem. Once they are ready to accept a new link attempt, a new connection again.
- 5.4 NRC Contacts:
 - 5.4.1 NRC Switchboard: 301-415-7000.
 - 5.4.2 NRC Operations Center: 301-816-5100.
 - 5.4.3 NRC Computer Room: 301-816-5141 (ERDS) or 301-415-5015 (main)
 - 5.4.4 John Jolicoeur, NRC Manager, Office for Analysis and Eval. of Operational Data: 301-415-6383.

ENCLOSURE 4.2
ERDS BLOCK DIAGRAM



CATAWBA NUCLEAR SITE EMERGENCY PLANNING

EMERGENCY ORGANIZATION

1.0 PURPOSE

To define the roles of Emergency Organization members in implementing the site Emergency Plan and to provide for augmentation of the normal operating shift during an emergency.

2.0 REFERENCES

- 2.1 Catawba Nuclear Station (CNS) Emergency Plan
- 2.2 CNS Operations Management Procedure 1-8, "Authority and Responsibility of Licensed Reactor Operators and Licensed Senior Reactor Operators"
- 2.3 NSD 114, Site Assembly/Site Evacuation
- 2.4 CNS Procedure RP/0/A/5000/02, "Notification of Unusual Event"
- 2.5 CNS Procedure RP/0/A/5000/03, "Alert"
- 2.6 CNS Procedure RP/0/A/5000/04, "Site Area Emergency"
- 2.7 CNS Procedure RP/0/A/5000/05, "General Emergency"
- 2.8 CNS Procedure RP/0/B/5000/10, "Conducting a Site Assembly or Evacuation"
- 2.9 Emergency Planning Group Manual Guideline 5.4.1, "Emergency Response Organization Training Program"

3.0 RESPONSIBILITIES

- 3.1 Operations Shift Manager - All emergencies are initially handled by the Operations Shift Manager. The Operations Shift Manager on duty ensures all immediate actions required by station emergency or abnormal procedures, applicable to the situation, are performed and all actions necessary for the protection and safety of personnel and property are being taken.
- 3.2 Emergency Coordinator - Operations Shift Manager assumes the function of Emergency Coordinator until the arrival of the Station Manager or designee at which time the functions of the Emergency Coordinator are transferred to the Station Manager or designee.

- 3.3 Station Manager - Station Manager or designated alternate assumes the role of Emergency Coordinator and has complete responsibility for activation of the Technical Support Center (TSC). Station Manager or designee staffs the TSC with those personnel deemed necessary to effectively assess the emergency condition. Station Manager or designee institutes those procedures necessary to allow the Control Room to gain immediate control of the emergency condition. Station Manager/Emergency Coordinator has direct communications via telephone or radio with the Emergency Operations Facility (EOF) Director.

After activation of the EOF, the site maintains responsibility for the minute to minute plant operations. The EOF relieves the site of the burden of overall Emergency Management and in making Protective Action Recommendations to off-site agencies. Further, the EOF supports the site in its function of accident assessment and plant operations.

Station Manager/Emergency Coordinator continues to take actions necessary to ensure the emergency situation is brought under control and coordinates activities between the site and the EOF.

- 3.4 EOF Director - Off-site responsibilities of the Emergency Coordinator are assumed by the EOF Director at the Emergency Operations Facility (EOF) as this organization is staffed and ready to assume its function. This assumption of Emergency Coordinator functions by the EOF Director takes place for the Alert Emergency Classification and above.

4.0 DUTIES

4.1 CONTROL ROOM STAFF

4.1.1 Operations Shift Manager-Emergency Coordinator

A. Immediate duties include the following:

1. Determine from the initiating conditions, the applicable Emergency Class.
2. Declare the Emergency as necessary and assume functions of the Emergency Coordinator.
3. Assign someone from the shift to begin the notifications as per applicable procedure.
4. Provide for continuous ENS NRC notification (via FTS) coverage until TSC assumes control.
5. Take necessary on-site remedial actions including ordering the evacuation-relocation of non-essential site personnel to the Evacuation-Relocation Site if the emergency warrants.

6. Initiate activation of the TSC, Operations Support Center (OSC), and EOF per appropriate Emergency Classification Procedure (RP/0/A/5000/02, 03, 04, 05).
7. Provide protective action recommendations to authorities responsible for implementing off-site emergency measures.

This authority and responsibility shall not be delegated to other elements of site emergency organization.

B. Operations Shift Manager - Duties after TSC activation:

1. Continue to ensure all actions required by any initiating Emergency Procedure are being performed and all actions necessary for the protection of persons and property are being taken.
2. Continue plant assessment and keep TSC informed of plant status.
3. Provide recommendations to TSC for changes in Emergency Classification or Protective Action as plant conditions change.

4.1.2 Shift Work Manager assumes the role of Shift Technical Advisor monitoring critical safety functions for the Operations Shift Manager (Emergency Coordinator). The STA evaluates reactor core thermal hydraulics and provides core damage mitigation strategy advice to the OSM.

4.1.3 Off-Site Agency Communicators - Individual assigned by Operations Shift Manager to begin initial communications to off-site agencies. Once TSC is activated, these duties are transferred to Off-Site Agency Communicator in the TSC.

4.1.4 NRC Communicator - Individual responsible for initial communications to NRC. Once TSC is activated, these duties are transferred to NRC Communicator in the TSC.

4.2 TECHNICAL SUPPORT CENTER STAFF

The TSC is activated and staffed to support the Control Room and coordinate emergency and/or recovery efforts with off-site groups, corporate headquarters, state and local governments and the NRC. The station operating staff is used as the TSC staff in the emergency situation as deemed necessary by the Emergency Coordinator.

4.2.1 Station Manager/Emergency Coordinator - relieves Operations Shift Manager of the Emergency Coordinator function and assumes responsibility for implementing the site Emergency Plan including:

A. Immediate duties include the following:

1. Staffing the TSC and OSC with those personnel deemed necessary to effectively assess the emergency condition.
2. Instituting those procedures necessary to allow the Control Room to gain immediate control of the emergency situation.
3. Notification and activation of the Emergency Operations Facility, county and state organizations and the Nuclear Regulatory Commission.
4. Providing protective action recommendations to authorities responsible for implementing off-site emergency measures.
 - **This authority shall not be delegated to other elements of the site emergency organization.**
5. Continue maintaining an adequate state of emergency preparedness until the emergency situation has been effectively managed and the station is returned to a normal or safe operating condition.

B. Emergency Coordinator duties after EOF activation:

1. Emergency Coordinator may order the evacuation of non-essential site personnel to the Evacuation-Relocation Site if the emergency situation warrants.
2. The Emergency Coordinator in the TSC assesses and responds to the emergency by:
 - a. Initially dispatching the On-site and Off-site Monitoring Teams with associated communications.
 - b. Providing initial meteorological and dose estimates to EOF for actual releases via a dedicated individual or automated data transmission.
 - c. Providing release and dose projections based on available plant condition information and foreseeable contingencies to the EOF.
 - d. Providing a dedicated individual for plant status updates to the EOF.
 - e. Providing senior technical and management staff on-site available for consultation with the NRC, EOF and State on a periodic basis.

3. Emergency Coordinator assures notification of all Catawba Nuclear Site management not notified thus far for those initiating conditions or implementation of any Emergency Procedure affecting these personnel in accordance with CNS Emergency Response Procedures.
4. Emergency Coordinator, in coordination with the EOF Director, assesses the emergency condition and determines the need to remain in the present Emergency Classification, escalate to a more severe class, reduce the emergency class or close out the emergency.

4.2.2 Operations Superintendent assumes the following duties:

- A. Provide technical expertise regarding solutions to operational problems to the Station Manager, the Operations Shift Manager, and other members of the emergency organization as required.
- B. Ensure each operating shift is staffed with personnel trained and prepared to support all emergency situations augmenting with additional resources as necessary to accomplish this goal.
- C. Work closely with the OSC Coordinator in restoring station equipment to an operational status during and after the emergency condition.

4.2.3 Operations Engineer assumes the following duties:

- A. Provide technical expertise to the Operations Superintendent and other members of the TSC as required.
- B. Maintain contact with Operations personnel in the Control Room.
- C. Act as the TSC contact person for operations interface at the EOF.
- D. Maintain contact with Operations personnel in the OSC.

4.2.4 Assistant Operations Engineer assumes the following duties:

- A. Implement and track EALs and RPs and make recommendations to the Emergency Coordinator through the Operations Superintendent for Emergency Classification and Protective Action Recommendations changes as appropriate for plant conditions.
- B. Support Control Room and TSC with EOP's.

4.2.5 NRC Communicator assumes communications to the NRC via ENS (FTS phone) from the Control Room and maintains this responsibility after EOF activation.

4.2.6 TSC Off-Site Dose Assessor assumes the following duties:

- A. Provide technical expertise for Emergency Coordinator and other members of the TSC and EOF as required.
- B. Provide initial off-site dose calculations and resultant Protective Action Recommendations for releases of radioactive materials until assumed by the EOF.
- C. Support Emergency Coordinator as EOF Dose Assessment Interface.
- D. Analyze source term data, formulate source term mitigation strategies, and provide input to EOF dose assessment.
- E. Maintain communications with EOF Off-site Dose Assessment under EOF activation.

4.2.7 Radiation Protection Support personnel assume the following duties:

- A. Provide technical expertise to Emergency Coordinator and other members of the TSC and OSC as required.
- B. Provide initial Field Monitoring Team support and direction and radio operations until assumed by the EOF.
- C. Assure radiation protection in the TSC.
- D. Maintain communications with Radiation Protection in the OSC.

4.2.8 TSC Off-Site Agency Communicators assume the following duties:

- A. Collect information and data for initial and follow-up transmission/notification to off-site agencies.
- B. Ensure notification times and frequencies are met as required.
- C. Collect previously transmitted message forms from the Control Room prior to TSC activation.

4.2.9 Communications and Community Relations (CCR) TSC Liaison acts as liaison to EOF CCR group providing emergency information for news releases as required by the CCR Emergency Response Plan.

4.2.10 Engineering Manager assumes the following duties:

- A. Provide technical expertise to Emergency Coordinator and other members of the TSC as required.
- B. Assure adequate levels of engineering manpower are available for support to the TSC and OSC as needed.

- C. Serve as point of contact for the Reactor Engineer and Systems Support Engineer in the TSC and Equipment Engineer in the OSC.
- D. Manage overall site engineering effort.

4.2.11 Reactor Engineer assumes the following duties:

- A. Provide technical expertise to the Engineering Manager and other members of the TSC and EOF as required.
- B. Ensure control and accountability of Special Nuclear Materials.
- C. Assists with the evaluation of plant and reactor performance, reactor safety (in conjunction with EOF Accident Assessment) and reactor physics (shut down margin, cool down rate, etc.).

4.2.12 Systems Support Engineer assumes the following duties:

- A. Provide technical expertise to Engineering Manager and other members of the emergency organization as required.
- B. Serve as point of contact for Systems Support Engineering personnel.

4.2.13 TSC Data Coordinator assumes the following duties:

- A. Provide technical expertise to members of the emergency organization as required.
- B. Manage data gathering and dissemination by:
 - 1. IT hardware/software provided in the Emergency Response Facilities.
 - 2. Ensure necessary software graphics and displays operate and meet the needs of the emergency organization.
 - 3. Initiate Emergency Response Data System (ERDS) transfer to NRC.
- C. Provide IT hardware/software oversight.

4.2.14 TSC Logkeeper assumes the following duties:

- A. Provide technical expertise to Emergency Coordinator and other members of the emergency organization as required.
- B. Provide logkeeping of emergency events for the Emergency Coordinator.

- C. Coordinate data displays as requested by the Emergency Coordinator.
- D. Ensure the current emergency classification is posted in the TSC.

4.2.15 HR Manager assumes the following duties:

- A. Provide technical and administrative expertise to the Emergency Coordinator and other members of the emergency organization as required.
- B. Act as Security point of contact in the TSC for:
 - 1. Site Assembly Accountability
 - 2. Site Evacuation
 - 3. MERT Support
 - 4. Security Plan Implementation
- C. Act as Safety point of contact in the TSC.
- D. Facilitate shift scheduling for the on-site emergency organization.
- E. Facilitate the process of identifying essential personnel to remain on site after site evacuation occurs.
- F. Act as point of contact for Emergency Coordinator and serve as interface between the Evacuation Coordinator and RPM for evacuation purposes.

4.2.16 Evacuation Coordinator assumes the following duties:

- A. Provide evacuation expertise to Emergency Coordinator and other members of the emergency organization as required.
- B. Coordinate the evacuation of non-essential personnel through interface with Emergency Coordinator and/or HR Manager.
- C. Manage evacuees at off-site evacuation points Alpha or Bravo.
- D. Interface with Evacuation Point location management.
- E. Interface with EOF Director and/or EOF Commodities and Facilities Manager to provide information or request assistance as needed.

NOTE: This position may be delegated by the Operations Shift Manager/Emergency Coordinator until augmented by the assigned individual.

4.2.17 Regulatory Compliance personnel assume the following duties:

- A. Provide technical expertise to Emergency Coordinator and other members of the emergency organization as required.
- B. Interface with NRC in the TSC.
- C. Prepare routine PA updates for the Emergency Coordinator.
- D. Provide Technical Specifications and other regulatory interpretations and support.
- E. Record and maintain a chronology of significant events on the TSC status board (e.g., current Emergency Classification, Protective Action Recommendations, Plant Status, etc.).

4.2.18 TSC Emergency Planner assumes the following duties:

- A. Directly supports Emergency Coordinator providing Emergency Plan information, interface with NRC, state and county agencies and representatives.
- B. Facilitates operation of the TSC.

4.2.19 Control Room/TSC Communicator relays messages from the TSC to OSC.

4.3 **OPERATIONS SUPPORT CENTER STAFF**

The OSC is activated by the Emergency Coordinator in accordance with the applicable Emergency Procedure. The OSC is activated, staffed, and organized to provide primarily a repair and recovery or plant casualty control function in support of the Control Room and TSC. Those personnel assigned to the OSC are under the control of the OSC Coordinator and have routine functions that are similar to their roles in an emergency.

4.3.1 OSC Coordinator assumes the following duties:

NOTE: Nuclear Shift Supervisor from the unaffected unit fills the role of OSC Coordinator until relieved by the assigned individual.

- A. Provide technical expertise to Emergency Coordinator and other members of the emergency organization as required.
- B. Maintain responsibility for the radiological and industrial safety of all emergency organization members and other designated essential personnel outside of the Control Room and TSC.
- C. Provide direction and control of OSC repair and assessment activities.

- D. Serve as point of contact for information flow from the OSC to the TSC and vice versa.
- E. Assist Emergency Coordinator in assigning OSC Team task priorities.
- F. Ensure all areas of responsibility under his/her direction are promptly staffed with competent personnel, properly trained and prepared to support any operational emergency condition.

4.3.2 OSC Log/Status Keeper maintains an electronic log and status board of OSC R&R Team status, task priorities, and other significant events as requested by the OSC Coordinator.

4.3.3 Radiation Protection Manager (RPM) assumes the following duties:

- A. Provide technical expertise to Emergency Coordinator, OSC Coordinator, and other members of the emergency organization as required.
- B. Make determinations and protective action recommendations necessary for limiting radiation dose to site personnel.
- C. Provide and manage overall radiation protection response including:
 - 1. RP support for Site Assembly and Evacuation
 - 2. RP coverage for OSC R&R Teams
 - 3. Post accident containment gas samples and other sampling, surveys, and analysis as required.
 - 4. Management of OSC RP personnel.

4.3.4 Additional RP Manager assumes the following duties:

- A. Manage RP resources and make RP assignments for OSC R&R Team support.
- B. Review and discuss radiological hazards with OSC R&R Teams.
- C. Interface routinely with RPM for turnover of plant radiological status.

4.3.5 DRC Supervisor assumes the following duties:

- A. Provide dose control support for OSC R&R Teams and dosimetry outside OSC.

- B. Direct dose recording for R&R Teams.
- C. Assist the OSC Coordinator by facilitating OSC Team Sheet flow.

4.3.6 OSC RP Technicians assume the following duties:

- A. Provide RP coverage for OSC R&R Team personnel monitoring.
- B. Collect and analyze Post Accident Gas samples and other samples.
- C. Provide in-plant surveys.
- D. Provide access control.
- E. Provide RP coverage for search/rescue, first aid, and firefighting.

4.3.7 Chemistry Manager assumes the following duties:

- A. Provide technical expertise to the Emergency Coordinator, OSC Coordinator and other members of the emergency organization as required.
- B. Coordinate chemistry technical support.
- C. Initiate necessary action to ensure adequate sampling including Post Accident Liquid Samples and evaluation to support the emergency condition.
- D. Ensure adequate staff is available and prepared to manage Chemistry support for any emergency condition.

4.3.8 Chemistry Technicians provide assistance in the area of Chemistry as requested by Operations or the Chemistry Manager.

4.3.9 Operations OSC Supervisor assumes the following duties:

- A. Provide technical expertise to the Control Room, OSC Coordinator, Operations Superintendent, and other members of the emergency organization as required.
- B. Assume the role of OSC Coordinator until augmented by the assigned individual.
- C. Maintain communications with Control Room, TSC Operations, and Operations Interface personnel at the EOF.
- D. Make Operations OSC R&R Team task assignments.

- E. Assist OSC Coordinator by making recommendations for OSC R&R Team task priorities.

4.3.10 Operations NLOs provide support as requested by Operations Supervisor.

4.3.11 Equipment Engineer assumes the following duties:

- A. Provide engineering expertise to OSC Coordinator and other members of the emergency organization as required.
- B. Provide specific job/task component engineering as requested.
- C. Interface with Mechanical and IAE Maintenance Managers routinely.
- D. Communicate routinely with TSC Engineering Manager providing updates, information, engineering assessments and needs.
- E. Communicate with essential engineering contacts to obtain needed information and specific component engineering assessments.

4.3.12 OSC Commodities and Facilities Manager assumes the following duties:

- A. Provide technical expertise to OSC Coordinator and other members of the emergency organization as required.
- B. Provide OSC job/task parts and materials management.
- C. Manage essential personnel and ensure adequate staffing from the Commodities/Facilities organization to provide as needed:
 - 1. Heavy equipment support
 - 2. Warehouse commodities
 - 3. Transportation of interim as-built (VTO) drawings to the EOF in the event of evacuation of essential engineering support personnel.
 - 4. Communicate with EOF Commodities/Facilities Manager and request resource assistance as required.

4.3.13 Commodities and Facilities Technicians provide support as requested by OSC C&F Manager.

4.3.14 Mechanical Maintenance Manager assumes the following duties:

- A. Provide technical expertise to OSC Coordinator and other members of the emergency organization as required.

- B. Provide for OSC Mechanical Maintenance response (e.g., preventative and corrective maintenance of station mechanical equipment and facilities).
- C. Interface with the Equipment Engineer requesting support as needed.
- D. Manage OSC Mechanical Maintenance personnel.

4.3.15 Mechanical Maintenance Technicians provide mechanical maintenance repair and corrective actions as requested.

4.3.16 IAE Maintenance Manager assumes the following duties:

- A. Provide technical expertise to OSC Coordinator and other members of the emergency organization as required.
- B. Provide for OSC IAE Maintenance response (e.g., preventative and corrective maintenance of station instrumentation and electrical equipment and facilities).
- C. Interface with the Equipment Engineer requesting support as needed.
- D. Manage OSC IAE personnel.

4.3.17 IAE Maintenance Technicians provide instrumentation and electrical maintenance repair and corrective actions as requested.

4.3.18 Safety Manager assumes the following duties:

- A. Provide technical expertise to OSC Coordinator, HR Manager, and other emergency organization members as required.
- B. Provide OSC safety response.
- C. Provide for industrial safety of OSC R&R Teams by:
 - 1. Reviewing OSC management decisions and OSC R&R Team sheets for potential safety hazards.
 - 2. Providing OSC R&R Teams with "tailgate" information as necessary.
 - 3. Taking and analyzing industrial hygiene samples and/or providing job coverage as appropriate.
- D. Communicate routinely with HR Manager and advise of significant events.

4.3.19 Security management representative in the CAS assumes the following duties:

- A. Provide technical expertise to OSC Coordinator and HR Manager and other members of the emergency organization as required.
- B. Provide for rescue and first aid operations requesting local backup as required for ambulance transport.
- C. Provide access control and site personnel accountability.
- D. Manage site Security response.
- E. Provide for emergency communications as required.
- F. Communicate with OSC routinely for site Security assessments.

4.3.20 If resources are available, an Emergency Planner is provided to the OSC to support the OSC Coordinator and facilitate operation of the OSC.

4.3.21 Other site personnel may be enlisted to support OSC emergency activities as needed.

4.4 **EMERGENCY OPERATIONS FACILITY STAFF**

The EOF is activated and staffed to support Catawba Nuclear Site. The EOF organization is capable of continuous operations for a protracted period of time. The individual responsible for assuring continuity of resources is the EOF Director.

4.4.1 EOF Director

- A. Immediate duties include the following:
 - 1. Provide management direction and control of Duke Power's emergency response activities.
 - 2. Make recommendations to off-site agencies for public protective actions.
 - 3. Direct the EOF in carrying out EOF activities.
 - 4. Establish a direct line of communications with the Emergency Coordinator in the TSC to provide input and assistance to the site and to monitor the plant status.
 - 5. Provide a Duke Power management link for coordination with federal agencies.
- B. Continued responsibilities are:

1. Overall management of Duke Power's emergency response activities.
2. Determination of public protective action recommendations.
3. Escalate, de-escalate, or terminate the emergency classification.
4. Coordination with federal, state, and local government agencies. The principal interfaces include the Emergency Coordinator at the TSC, state emergency management directors and senior NRC officials.
5. In coordination with the Emergency Coordinator, establish Recovery Organization and develop Recovery Plans, if warranted.

4.4.2 EOF Commodities and Facilities Manager assumes responsibility for providing administrative, logistic, communications, and related personnel support for the recovery and emergency operation including:

- A. EOF Communications Equipment
- B. Transportation
- C. Food and Lodging
- D. Purchasing
- E. Insurance as needed
- F. Finance as needed

4.4.3 EOF Access Control Director provides facility security by coordinating access control for the EOF. Additional duties include:

- A. Open EOF Building as needed.
- B. Coordinate traffic/unloading as needed.
- C. Request Law Enforcement as needed.

4.4.4 EOF Off-Site Agency Communicators are responsible for the communication of Emergency Notification Form information to states and counties in a timely, accurate and complete manner.

4.4.5 EOF Data Coordinators are responsible for obtaining plant data needed by the EOF and ensuring it is distributed to other EOF personnel.

- 4.4.6 EOF Log Recorder provides logkeeping of emergency events for the EOF Director. EOF Log Recorder also provides technical expertise to the EOF Director and other members of the emergency organization as required.
- 4.4.7 EOF Status Keeper personnel are responsible for maintaining status boards to display current information about the emergency situation. EOF Status Keeper personnel report to EOF Data Coordinators.
- 4.4.8 EOF Radiological Assessment Coordinator (RAC) coordinates the activities of EOF Dose Assessors, Field Monitoring Coordinator, and HPN Communicator. Radiological Assessment Coordinator is responsible for environmental liaison with local, state and federal agencies, and is responsible for off-site monitoring and dose projections. In addition, this position makes recommendations to the EOF Director concerning public protection from radiological hazards.
- 4.4.9 EOF Dose Assessors perform dose calculations on either actual or projected off-site radiological doses and keep the RAC informed of the pertinent results.
- 4.4.10 EOF Field Monitoring Coordinators (FMC) are responsible for directing, coordinating, and maintaining constant communications with Field Monitoring Teams. FMC assigns areas to be monitored and sampled, compiles and forwards data and results to the RAC. FMC also assures the physical resources and equipment needed for monitoring, and coordinates the monitoring teams.

NOTE: Upon activation of the emergency organization, TSC RP Support personnel (under the direction of the TSC Dose Assessor) have initial functional responsibility for the Field Monitoring Teams. The Field Monitoring Teams and any associated data and information will be turned over to the EOF FMC for direction and control as soon as practicable.

- 4.4.11 Field Monitoring Teams perform surveys, collect and analyze certain environmental samples, and communicate results under the direction of the FMC.
- 4.4.12 Field Monitoring Team Drivers are responsible for obtaining/driving emergency vehicles for field monitoring teams.
- 4.4.13 EOF Emergency Planner directly supports the EOF Director providing: Emergency Plan information; interface with NRC, state and county agencies and representatives; and facilitating the operation of the EOF.

- 4.4.14 Accident Assessment Manager coordinates activities of the Accident Assessment staff and Operations Interface personnel in assisting the TSC in accident mitigation strategies and advises EOF Director regarding emergency classification and public protective actions.
- 4.4.15 Reactor Physics personnel provide reactor assessment and analysis and fuel subcriticality assessments (if needed).
- 4.4.16 Accident Assessment Interface personnel provide core and containment analyses; review and assess core/reactor/containment safety functions; accident diagnosis and response procedure support; analysis of plant systems; analysis of core containment, and site conditions for core damage and fission product release potential; and accident mitigation strategy support.
- 4.4.17 Operations Interface personnel maintain contact with plant operations; make Emergency Classification recommendations; provide plant status updates; and track and implement appropriate response procedures (e.g., EALs through General Emergency).
- 4.4.18 EOF Administrative Support personnel provide computer equipment and data/document support (if needed).
- 4.4.19 EOF Chemistry personnel provide technical support and assistance to site Chemistry staff regarding Chemistry concerns and radwaste processing aspects of emergency and/or recovery operations.
- 4.4.20 CCR personnel receive information from CCR TSC Liaison and prepare information for news releases as required by the CCR Emergency Response Plan and notify INPO.
- 4.4.21 Other company personnel may be enlisted to support EOF emergency activities as needed.

5.0 ACTIVATION OF THE EMERGENCY ORGANIZATION

5.1 Activation of the TSC/OSC Organization

- 5.1.1 Selected site personnel are notified of situations classified as Unusual Events by Emergency Response Procedure, RP/0/A/5000/02. These individuals then respond as appropriate and notify any additional personnel to respond as needed. At the Alert Classification or above, activation of the emergency organization is required and is initiated per the appropriate RP/0/A/5000/03, 04, 05.

In the event of a failure of the Emergency Response Organization pager system and automated dialing system, a manual call tree has been established for EOF/TSC/OSC personnel. The manual call tree is updated quarterly and is electronically stored. After updating the manual call tree, an electronic message is distributed to the Emergency Response Organization informing

them of the update. Enclosure 1 provides instructions for accessing the manual call tree. Enclosure 2 provides position-specific Manual Call Tree responsibilities. Personnel that may need the manual call tree are expected to print their own revised copy each quarter and have it available for use.

5.1.2 Personnel qualified to perform the following functions during a declared emergency are required to be available on-shift.

- _____ Shift Technical Advisor (Shift Work Manager - CR)
- _____ Emergency Coordinator (Operations Shift Manager - CR)
- _____ Unit Supervisor (SRO - OSC)
- _____ Control Room SRO
- _____ NRC Communicator (CR)
- _____ Off-Site Agency Communicator (CR)
- _____ Control Room Operators (RO - CR) (2)
- _____ Non-Licensed Operators (OSC) (2)
- _____ Fire Brigade (5)
- _____ MM Technician (OSC)
- _____ RP Technicians (RP Coverage, etc.- OSC) (2)
- _____ Chemistry Technician (OSC)
- _____ IAE Technicians (OSC) (2)
- _____ Security (per Site Security Plan)
- _____ MERT (2)

5.1.3 Personnel qualified to perform the following functions are required to be available within 45 minutes before the TSC can be declared operational (by regulatory requirements).

- _____ TSC Dose Assessor
- _____ RP Technician (In-Plant Surveys - OSC)
- _____ RP Technician (On-Site [Out-of-Plant] Surveys - OSC)

5.1.4 Personnel qualified to perform the following functions are required to be available within 75 minutes to augment site emergency operations (by regulatory requirements).

- _____ Emergency Coordinator (Station Manager)
- _____ TSC Off-Site Agency Communicators (2)
- _____ Reactor Engineer (Core/Thermal Hydraulics) (TSC)
- _____ Mechanical Maintenance Manager (OSC)
- _____ IAE Manager (OSC)
- _____ RP Technician (In-Plant Surveys - OSC)
- _____ RP Technician (On-Site [Out-of-Plant] Surveys - OSC)
- _____ RP Technicians (RP Coverage, etc. - OSC) (6)
- _____ MM Technician (OSC)
- _____ IAE Technicians (OSC) (2)
- _____ Radwaste Operator (OSC)
- _____ RP Field Monitoring Team Members (4)

- 5.1.5 Personnel qualified for the following positions are desired to be available within 75 minutes to assist in site emergency operations.

- _____ NRC Communicator (TSC)
- _____ Operations Superintendent (TSC)
- _____ Operations Engineer (TSC)
- _____ Assistant Operations Engineer (TSC)
- _____ Regulatory Compliance (TSC)
- _____ TSC Emergency Planner
- _____ HR Manager (TSC)
- _____ Engineering Manager (TSC)
- _____ Systems Support Engineer (TSC)
- _____ Radiation Protection Support (TSC)
- _____ TSC Data Coordinators (2)
- _____ TSC Logkeeper
- _____ Evacuation Coordinator
- _____ NRC Resident
- _____ Control Room/TSC Communicator (CR)
- _____ OSC Coordinator
- _____ Radiation Protection Managers (2) (OSC)
- _____ DRC Supervisor (OSC)
- _____ OSC Commodities and Facilities Manager
- _____ Safety Manager (OSC)
- _____ Equipment Engineer (OSC)
- _____ Chemistry Manager (OSC)
- _____ OSC Log/Status Keeper
- _____ OSC Emergency Planner

5.2 Activation of the Emergency Operations Facility (EOF)

- 5.2.1 Personnel qualified to perform the following functions must staff the EOF before it can be declared operational within a 75 minute activation goal.

- _____ EOF Director
- _____ Radiological Assessment Manager
- _____ Accident Assessment Manager
- _____ EOF Off-Site Agency Communicators (2)
- _____ Access Control Director

5.2.2 Personnel qualified for the following positions are desired to be available within 75 minutes to assist in EOF emergency operations.

- _____ Public Spokesperson
- _____ EOF Dose Assessors (3)
- _____ Field Monitoring Coordinator (2)
- _____ FMT Members (2 Additional Report to Site)
- _____ FMT Drivers (4 Report to Site)
- _____ CCR (Per CCR Emergency Response Plan)
- _____ EOF Data Coordinators (2)
- _____ EOF Commodities and Facilities Manager
- _____ EOF Emergency Planner
- _____ Reactor Physics (if needed)
- _____ Accident Assessment Interface
- _____ Operations Interface
- _____ EOF Administrative Support (if needed)
- _____ EOF Off-Site Agency Communicator
- _____ EOF Status Keeper
- _____ EOF Log Recorder

6.0 ALTERNATE SITE FACILITIES

- 6.1 In the event the TSC becomes environmentally uninhabitable due to radiological or other conditions and the Control Room remains secure (habitable), the TSC moves inside the Control Room area. In the event the Control Room also becomes uninhabitable due to radiological or other conditions, the TSC moves to the Administrative Building or to other facilities as applicable.
- 6.2 In the event the OSC becomes environmentally uninhabitable due to radiological or other conditions, the OSC moves to the TSC and other facilities as applicable.

7.0 SITE EVACUATION

- 7.1 At the Site Area Emergency classification (RP/0/A/5000/04), develop a list of all essential personnel that will remain on site.
- 7.2 Radiation Protection Manager determines the habitability of the TSC, OSC and Control Room for the protection of site personnel arriving or remaining on site after the Site Evacuation.

8.0 EMERGENCY ORGANIZATION SUPPORT

8.1 Fire Brigade

- 8.1.1 The Fire Brigade maintains its normal functions of firefighting in an emergency situation as needed.
- 8.1.2 In the event of any emergency requiring activation of the TSC, the Fire Brigade Leader or designee makes frequent reports to the OSC Coordinator regarding the status of any fires.
- 8.1.3 Fire Brigade Leader or designee also coordinates and directs the services of any outside fire departments called upon to assist in firefighting on site property.

8.2 Site Security

- 8.2.1 Security force maintains its normal function of Site Security in an emergency.
- 8.2.2 In the event of an emergency requiring activation of the TSC, the Security Shift Lieutenant or his designee makes frequent reports to the HR Manager regarding the status of any security violations, threats or civil disturbances.
- 8.2.3 Security Shift Lieutenant also coordinates and directs the services of any Local Law Enforcement Agencies called upon to assist in an emergency situation.

- 8.2.4 Security Shift Lieutenant informs the HR Manager in the TSC of the status of Site Assembly/Evacuation.

9.0 TRAINING AND DRILLS

- 9.1 Training is provided prior to personnel being added to the Emergency Response Organization.
- 9.2 Annual Training
 - 9.2.1 Annual training is required as stated in Reference 2.9.
- 9.3 Drills
 - 9.3.1 Drills are conducted and documented per PT/0/B/4600/06.

10.0 ENCLOSURES

- Enclosure (1) Access Instructions for the Emergency Response Organization Manual Call Tree
- Enclosure (2) Manual Call Tree Responsibilities

ENCLOSURE (1)
Emergency Planning Group Manual Guideline 5.1.3

**Access Instructions for the Emergency Response Organization
Manual Call Tree**

The Catawba Nuclear Site Emergency Manual Call Tree is provided in Microsoft Word format. Access to this document to perform revisions is restricted. To view and print the Manual Call Tree, perform the following:

Using the Catawba or McGuire Desktop:

- Open "Catawba/McGuire Desktop"
- Open "Catawba/McGuire Information Library"
- Open "DOV"
- Choose "Nuclear" and "Catawba"
- Click on "OK"
- Open "Safety Assurance"
- Open "Manual Call Tree"
- Print CNS ERO Manual Call Tree

Using Windows '95:

- Open "Windows Explorer"
- Open "Tools"
- Open "Map Network Drive"
- Type "\\CNS1F3\SA-LIB" in "Path" box
- Using the pulldown window, open the network drive connected to "SA-LIB or CNS1F3"
- Open "Emer-Pln"
- Open "Calltree.doc"
- Print CNS ERO Manual Call Tree

ENCLOSURE (2)
Emergency Planning Group Manual Guideline 5.1.3

Manual Call Tree Responsibilities
Page 1 of 3

Activation of the CNS ERO using the manual call tree will be implemented as follows:

Control Room calls:

- Security (CAS)
- Emergency Coordinator
- EOF Director
- Operations Superintendent

Security calls:

- Corporate Security (Unlock EOF)
- TSC Dose Assessor
- TSC Off-Site Agency Communicators
- RP Support
- TSC Emergency Planner
- HR Manager
- TSC Data Coordinators

RP Support calls:

- OSC Field Monitoring Team A

TSC Emergency Planner calls:

- Regulatory Compliance
- TSC Logkeeper
- NRC Resident

HR Manager calls:

- Safety Manager
- Evacuation Coordinator
- Communications & Community Relations

TSC Data Coordinator calls:

- EOF Data Coordinator

Manual Call Tree Responsibilities
Page 2 of 3

Emergency Coordinator calls:

- OSC Coordinator
- Engineering Manager

Operations Superintendent calls:

- NRC Communicator
- Control Room/TSC Communicator
- Operations Engineer
- Assistant Operations Engineer

OSC Coordinator calls:

- Radiation Protection Manager/Supervisor
- OSC Commodities/Facilities Manager
- Mechanical Maintenance Manager

Radiation Protection Manager/Supervisor calls:

- DRC Supervisor/Support
- OSC Field Monitoring Team B
- OSC Field Monitoring Team C

OSC Commodities/Facilities Manager calls:

- OSC Log/Status Keeper
- Chemistry Manager

Mechanical Maintenance Manager calls:

- IAE Manager

Engineering Manager calls:

- Equipment Engineer
- Reactor Engineer
- Systems Support Engineer

EOF Director calls:

- EOF Emergency Planner
- EOF Commodities/Facilities Manager

Manual Call Tree Responsibilities

Page 3 of 3

EOF Emergency Planner calls:

- Radiological Assessment Manager
- EOF Off-Site Agency Communicator
- Field Monitoring Coordinator

Radiological Assessment Manager calls:

- EOF Dose Assessor
- Meteorologist

Field Monitoring Coordinator calls:

- OSC Field Monitoring Team D
- OSC Field Monitoring Team E
- Field Monitoring Team Drivers

EOF Commodities/Facilities Manager calls:

- Accident Assessment Manager
- EOF Log Recorder
- Access Control Director

Accident Assessment Manager calls:

- Accident Assessment Interface
- EOF Operations Interface
- EOF Administrative Support
- Reactor Physics

EOF Log Recorder calls:

- EOF Status Keeper