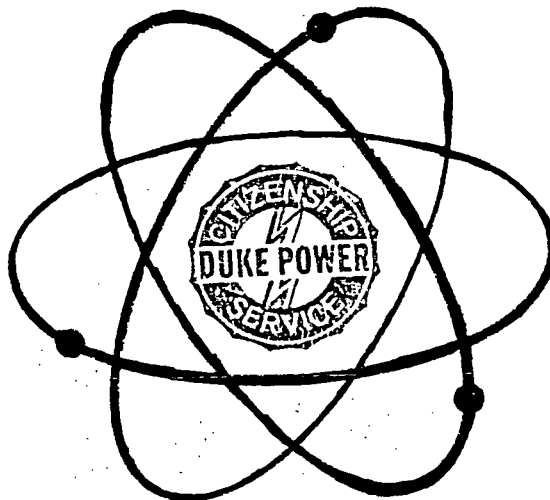


# DUKE POWER COMPANY

## OCONEE NUCLEAR STATION

### EMERGENCY PLAN IMPLEMENTING PROCEDURES



APPROVED:

*M. S. Tuckman*

M. S. Tuckman, Station Manager

*12/9/86*

Date Approved

*12/9/86*

Effective Date

Volume C

Revision 86-7

December, 1986

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PDR ADOCK 05000269  
F PDR

VOLUME C

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## EMERGENCY TELEPHONE NUMBERS

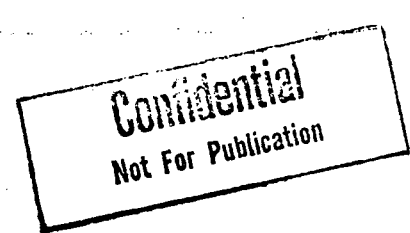
This enclosure provides a listing of telephone numbers for various personnel and agencies that may have a part in dealing with an emergency situation or providing other assistance as needed at Oconee Nuclear Station.

## EMERGENCY TELEPHONE NUMBERS

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 Oconee Nuclear Station.

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DUKE POWER COMPANY

OCONEE NUCLEAR STATION

NUMBER CODE FOR IDENTIFYING PERSONNEL/ACTIVITIES TO BE NOTIFIED

CODE

1. NUCLEAR REGULATORY COMMISSION by Red Phone within one hour.

See Section 14 for additional alternate numbers

2. UNIT COORDINATOR/OPERATIONS DUTY ENGINEER who will notify:

A. Superintendent of Operations

R. L. Sweigart, Office . . . . . Ext. 2210

Home . . . . . 654-1956

B. Station Manager/Emergency Coordinator (or alternate as listed in number 8)

M. S. Tuckman, Office . . . . . Ext. 2211

Home . . . . . (Pager 830) 882-8522

C. Compliance Engineer (Unusual Event Only) Ext. 2229

After Hours (Pager 807) Duty Roster

D. Nuclear Production Duty Engineer 704-373-5491

3. SOUTH CAROLINA WARNING POINT

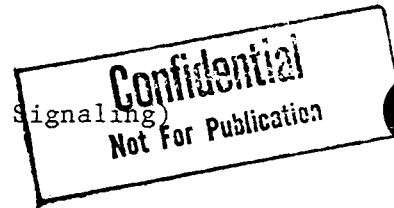
South Carolina Highway Department . . . . . 41\*  
(See Page 8 for Selective Signaling Instructions)

Alternate number should Selective Signaling be out of service 737-1030

Alternate number (S.C. Emergency Preparedness Agency) . . . . 734-8020

NOTE: The above number is also the state Emergency  
Operations Center number.

Telecopier - S.C. Emergency Preparedness . . . . . 734-8062



4. COUNTY EMERGENCY PREPAREDNESS AGENCIES (41\* - Selective Signaling)

(See Page 8 for Selective Signaling instructions)

Oconee County Emergency Preparedness . . . . . Selective Signaling 417

Alternate Number - 24 hour, Pager 251. . . . . 638-3097

Alternate Number - 24 hour, Pager 251. . . . . 638-3678

Pickens County Emergency Preparedness . . . . . Selective Signaling 419

Alternate Number - (0830-1700) . . . . . 878-7808

Alternate Number - 24 hour, Pager 77 . . . . . 878-2421

5. COUNTY SHERIFF'S DEPARTMENTS

(See Page 8 for Selective Signaling instructions)

Oconee County (24 hours) . . . . . Selective Signaling 416

Alternate Number . . . . . 638-3678

Pickens County (24 hours) . . . . . Selective Signaling 410

Alternate Number . . . . . 878-2421

Alternate Number . . . . . 878-1666

Alternate Number . . . . . 878-3500

6. MEDICAL ASSISTANCE

Oconee Memorial Hospital Ambulance Service . . . . . 882-4611

Oconee Memorial Hospital Switchboard/Supervisor of Nursing . . . . . 882-3351

Additional Medical assistance may be provided through the following institutions:

Greenville Memorial Hospital (Charge Nurse) . . . . . 242-7139

Pickens County Ambulance Service . . . . . 868-2373

Cannon Memorial Hospital/Supervisor of Nursing . . . . . 878-4791

Alternate Number . . . . . 859-0014

Easley Baptist Hospital/Supervisor of Nursing . . . . . 859-6365

7. FIRE ASSISTANCE

Oconee County Rural Fire Protection Association . . . . . 638-5846

Six Mile Fire Department (Keowee Hydro) . . . . . 878-2421

NOTE: Request Pickens Sheriff Dispatcher to contact  
Fire Department.

Woods or Forest Fire (Oconee County, Oakway Tower) . . . . . 972-3600

Woods or Forest Fire (Pickens County, Woodall Mt. Tower) . . . . . 868-9056

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8. TECHNICAL SUPPORT CENTER ACTIVATION (\* Station Manager or Alternates)

If the Station Manager cannot be reached, go to the next Superintendent down the list until one is contacted. Alternates for Superintendents are listed for information only.

\* Station Manager

M. S. Tuckman, Home . . . . .	882-8522
Pager	830

\* Superintendent of Technical Services

J. M. Davis, Home . . . . .	647-9721
-----------------------------	----------

Alternates for Superintendent of Technical Services

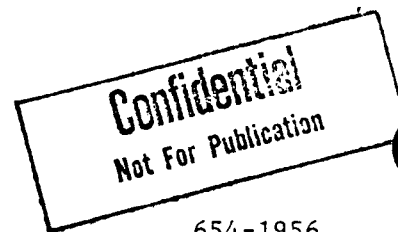
R. A. Knoerr, Home . . . . .	882-6428
J. J. Sevic, Home . . . . .	882-1588
R. T. Bond, Home . . . . .	654-3654
C. L. Harlin, Home . . . . .	654-7904

\* Superintendent of Maintenance

T. B. Owen, Home . . . . .	882-1499
----------------------------	----------

Alternates for Superintendent of Maintenance

M. D. Clardy, Home . . . . .	882-6637
D. E. Havice, Home . . . . .	878-4940
D. M. Thompson, Home . . . . .	261-8884
B. K. Millsaps, Home . . . . .	868-2814



\* Superintendent of Operations

R. L. Sweigart, Home . . . . . 654-1956

Alternates for Superintendent of Operations

H. R. Lowery, Home . . . . . 868-2551

G. A. Ridgeway, Home . . . . . 847-9709

J. T. Campbell, Home . . . . . 847-7953

N. F. Edwards, Home . . . . . 638-6939

T. Coutu, Home . . . . . 654-7697

J. N. Pope, Home . . . . . 882-3866

\* Operations Duty Engineer . . . . . Duty Roster

\* Superintendent in Training

T. S. Barr, Home . . . . . 261-8368

Superintendent of Integrated Scheduling  
(Operational Support Center Coordinator)

L. V. Wilkie, Home . . . . . 638-6250

Alternate for Superintendent of Integrated Scheduling

Jeff S. Forbes, Home . . . . . 868-2197

B. V. Earnhardt, Home . . . . . 944-0681

Graham Davenport, Home . . . . . 226-9773

Superintendent of Station Services

J. T. McIntosh, Home . . . . . 654-6293

Alternate for Superintendent of Station Services

D. G. Austin, Home . . . . . 878-2331

D. B. DuBose, Home . . . . . 882-5115

T. K. McQuarrie, Home . . . . . 638-2644





CRISIS MANAGEMENT CENTER

Recovery Managers

G. E. Vaughn, Office . . . . .	8-373-2542
Home . . . . .	(704)394-1092
M. D. McIntosh, Office . . . . .	8-373-5941
Home . . . . .	(704)364-8500
Lake . . . . .	(704)483-1314
J. W. Hampton, Office. . . . .	8-831-2300
Home . . . . .	(803)366-5300
T. L. McConnell, Office . . . . .	8-875-4212
Home . . . . .	(704)483-3881

9. WATER DEPARTMENTS

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

Lake Keowee Releases

Seneca, H. J. Balding, Office . . . . .	882-8359
After hours, weekends, holidays . . . . .	882-3388
Greenville Water System (24 hours) . . . . .	242-6510

Lake Hartwell Releases

City of Clemson

Mayor of Clemson, Office . . . . .	653-2030
Home . . . . .	654-3382

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

Clemson Administrator's Office . . . . .	653-2030
Home . . . . .	654-6263

Clemson Filter Plant (0700-1600) . . . . .	653-2046
--	----------

Clemson University

President's Office . . . . .	656-3413
Home . . . . .	656-2340

Security - Police (24 hours) . . . . .	656-2222
--	----------

(If the President cannot be reached, call Clemson University Physical Plant (0800-1630)). . . . .	656-2186
--	----------

<u>Anderson Water Works</u> (24 Hr. Number) . . . . .	226-9676
---	----------

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10. LAW ENFORCEMENT SUPPORT AGENCIES (24-hour numbers)

S. C. Highway Patrol (Greenville, S.C.) . . . . .	235-7471
S. C. Enforcement Division (Columbia, S.C.) . . . . .	737-9000
FBI (Columbia, S.C.) . . . . .	254-3011

11. BOMB DISPOSAL

Explosives Ordinance Disposal Detachment Control (24-hour) (Fort Jackson, Columbia, S.C.)	751-5126
--	----------

12. RADIATION AND CONTAMINATION

REACTS, Department of Energy (Oak Ridge, Tennessee) . . .	615-481-1000
(24 hr. number - after 1700 ask for Pager number) . .	241
DOE Emergency Radiological Monitoring Team (Aiken, S.C.) .	725-3333 (24 hrs.)
DHEC, Bureau of Radiological Health (0830-1700) . . . . .	734-4700
After hours, weekends, holidays . . . . .	734-5424
Telecopier . . . . .	799-6726

13. INGESTION PATHWAY

State of N.C. Warning Point

Primary - North Carolina Highway Patrol	919-733-3861
Alternate - N.C. Division of Emergency Management	919-733-3867

State of Georgia Warning Point

Primary - Georgia Emergency Management Agency	404-656-5500
Alternate	404-656-6401
Alternate - Georgia Dept. of Natural Resources	404-656-4300

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14. NUCLEAR REGULATORY COMMISSION

NRC Operations Center . . . . .	301-951-0550
	301-427-4056
	301-427-4259
	301-492-8893
US NRC, Region II . . . . .	404-331-4503
US NRC, Region II (Operations Center) . . . . .	404-331-5238
US NRC, Oconee Resident Inspectors . . . . .	882-5363
	Ext. 2108
	882-6927
	882-6928
Jack Bryant (Home)	882-4527
Kent Sasser (Home)	882-1458

15. BUS TRANSPORTATION

Anderson Retail Office (24 hour number) . . . . .	224-6363
(Contact Bill Faust, Pete Busby)	

16. NATIONAL WEATHER SERVICE - METEOROLOGICAL BACK-UP SOURCE

Greenville-Spartanburg Weather Service . . . . (24 hour) .	877-6998
--	----------

17. FEDERAL AERONAUTICS AGENCY

PRIVATE AIRCRAFT

Flight Standards District Office . . . . (0800-1630) . . . .	765-5931
After hours, weekends, holidays . . . . .	1-800-922-5111

MILITARY AIRCRAFT

Air Space Mgr. (Shaw AF Base) . . . . .	668-3250
Alternate . . . . .	668-3083

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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.

GROUP CALL: 41\*

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

NORMAL WORKING DAY: Will reach the following agencies:  
(0830-1700)

1. Oconee County LEC
2. Oconee County EPD
3. Pickens County LEC
4. Pickens County EPD
5. SC Warning Point (SC Highway Dept.)

BACKSHIFT, HOLIDAYS, WEEKENDS:

1. Oconee County LEC
2. Pickens County LEC
3. SC Warning Point (SC Highway Dept.)

PROBLEM REPORTING:

Contact Communications - Wenwood Operations Center (0830-1700)	8-234-4172
After hours - Contact Division Operations Central	8-234-4089
	8-234-4090

INDIVIDUAL LISTING NUMBERS

- |   |     |
|---|-----|
| 1. Oconee 1, 2 Control Room             | 411 |
| 2. Oconee 3 Control Room                | 415 |
| 3. Oconee TSC                           | 412 |
| 4. Training Center - Offsite Rad Coord. | 414 |
| 5. Oconee County - EPD                  | 417 |
| 6. Oconee County - LEC                  | 416 |
| 7. Pickens County - EPD                 | 419 |
| 8. Pickens County - LEC                 | 410 |
| 9. State FEOC - Clemson Armory          | 418 |
| 10. WFBC To activate 42*                | 420 |
| To deactivate                           | 42# |
| 11. State Warning Point - Columbia      | 516 |

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OCONEE NUCLEAR STATION EMERGENCY RADIO

The call letters WQC699 identify the Emergency Radio frequency. The following is a listing of radio locations, unit call letters, and identifiers. Use identifiers to begin a transmission and the call letters to close out the radio transmission. (For example: Oconee Nuclear Station Control Room to Pickens County Law Enforcement Center. Close out with WQC699 off.)

ONS Base Station Remotes

<u>Location</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
1. Unit 1&2 Control Room	WQC699	Oconee Control Room
2. Crisis Management Center	WQC699	Oconee CMC
3. Technical Support Center	WQC699	Oconee TSC

Coded Squelch Radios

<u>Location</u>	<u>Encode</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
4. Pickens LEC	35	KNBZ-965	Pickens LEC
Pickens EOC	31	KNBE-487	Pickens EOC
Pickens EPD	31	KNBE-480	Pickens EPD
5. Oconee LEC	32	KNBE-488	Oconee LEC
6. State FEOC - (Clemson)	34	KA-82139	State FEOC

ALL ABOVE RADIOS MAY BE ACTIVATED BY ENCODING NO. 30

Field Monitoring Teams

<u>Location</u>	<u>Unit Call Letters</u>	<u>Identifier</u>
8. Field Monitor Coordinator	KA82139	Leader
9. Field Monitor Team	KA82139	Alpha
10. Field Monitor Team	KA82139	Bravo
11. Field Monitor Team	KA82139	Charlie
12. Field Monitor Team	KA82139	Delta
13. Field Monitor Team	KA82139	Echo
14. Field Monitor Team	KA82139	Foxtrot

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

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

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OCONEE NUCLEAR STATION  
CRISIS COMMUNICATIONS DIRECTORY

The crisis directory is intended for use should the Oconee Emergency Plan require implementation. Both station and corporate level telephone numbers are provided. The station's emergency organization will operate from the Technical Support Center near the Units 1 and 2 Control Room. The corporate emergency organization will operate from the Crisis Management Center located in the Visitors Center and Oconee Training Center.

EMERGENCY FACILITY LOCATIONS

Technical Support Center - Control Rooms 1 and 2

Operational Support Center - Control Room 3

Crisis Management Center - Oconee Training Center

Alternate Location: Liberty Retail Office

Crisis News Center - Keowee-Toxaway Visitors Center

Alternate Location: Liberty Retail Office

OCONEE NUCLEAR STATION  
TELEPHONE DIRECTORY

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Seneca Lines (803)	882-5363 882-5368 882-5369 882-5370 882-5371
Easley Lines (803)	859-0108 859-0113 859-0116
Anderson Line (803)	224-8376
Six Mile Line (803)	868-2717
Dial Code (Micro-Wave)	8 + 373 (Charlotte General Office) 8 + 831 (Catawba) 8 + 875 (McGuire) 9 Seneca 60 Easley 61 Anderson 63 Six Mile

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OCONEE NUCLEAR STATION  
CRISIS PHONE DIRECTORY  
TECHNICAL SUPPORT CENTER

<u>POSITION/NAME</u>	<u>Telephone Number</u>	
	<u>Outside Line</u>	<u>882-5363 Station Number</u>
<u>EMERGENCY COORDINATION</u>		
Emergency Coordinator . . . . .	882-7076	2211
Offsite Communicator . . . (Selective Signaling)	412	2244
Corporate Communications . . . . .		2728
<u>Superintendent of Operations</u> . . . . .		2210
Unit 1 Control Room . . . . .		2261, 2335
Unit 2 Control Room . . . . .		2321, 2209
Unit 3 Control Room . . . . .		2278, 2363
Shift Supervisor (Unit 1 & 2) . . . . .		2271
(Unit 3) . . . . .		2392
SSF Control Room . . . . .		2766
<u>Superintendent of Technical Services</u> . . . . .		2213
Data Transmissions Coordinator . . . . .		2409
Compliance . . . . .		2229
<u>Offsite Dose Assessment</u>		
Dose Assessment Coordinator . . . . .		2138
Field Monitoring Coordinator . . . . .		2103
Emergency Count Room (Visitors' Center) .	2763,	2764
Health Physics Status Assistant (HP Intercom)		2105
CMC Dedicated Line . . . . .		2207
<u>Superintendent of Maintenance</u> . . . . .		2227
<u>Superintendent of Station Services</u> . . . . .		2212
Clerical Support . . . . .		2233
Telecopier . . . . .		2869
Medical Response . . . . .		2111
NRC Resident Inspector . . . . .	882-6927	2108



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Telephone Number

Outside  
Line

882-5363  
Station  
Number

OPERATIONAL SUPPORT CENTER

(Support group consists of Health Physics, Chemistry, Maintenance, Safety, Operations)

Operational Support Center Coordinator . . . . .	2804
Mechanical Maintenance Engineer . . . . .	2223
Mechanical Maintenance Supervisor . . . . .	2113
I & E Engineer . . . . .	2219
I & E Supervisor . . . . .	2189
Transmissions . . . . .	2139
Health Physics Support . . . . .	2190
Station Health Physicist. . . . .	2234
Dose Control . . . . .	2178
S & C Coordinator . . . . .	2519
Support Function Coordinator. . . . .	2179
Chemistry Support	
Station Chemist . . . . .	2220
Chemistry Supervisor . . . . .	2775
Chemistry Technicians . . . . .	2365
Medical Support . . . . .	2365
OSC Communicator . . . . .	2387
Telecopier . . . . .	2395
OSC Status Clerk . . . . .	2387
Operations Liason . . . . .	2214
Unit #3 Operations Offices . . . . .	2277 2172
Nuclear Equipment Operators (Unit 1 & 2 Emergencies)	2333
Nuclear Equipment Operators (Unit 3 Emergencies)	2388
CMC Plant Assessment Group (W.C. Room 1704) . . . . .	373-5177

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OCONEE NUCLEAR STATION  
CRISIS PHONE DIRECTORY  
CRISIS MANAGEMENT CENTER

<u>POSITION/NAME</u>	<u>PRIVATE LINE</u>	<u>ONS SWITCHBOARD</u>
<u>RECOVERY MANAGER</u>		
State of S.C. (FEOC Line) . . . . .	654-9367 or 654-9363	2713
(Duke Line) . . . . .	882-9801	
<u>MANAGER'S AREA</u>		
Crisis News Director . . . . .		2711
Emer. Comm. Manager . . . . .		2712
		2729
Plant Assess. Manager . . . . .		2714
Admin. and Log. Manager . . . . .		2709
State Rep. . . . .		2701
NRC . . . . .		2710
<u>RADIOLOGICAL ASSESSMENT</u> . . . . .	882-8148	2702
		2703
S.C. Bureau of Radiological Health (Duke Line)	882-9598	
(FEOC Line)	654-9371	
<u>OFF-SITE DOSE ASSESSMENT</u> . . . . .	882-9598	2705
		2706
		2715
		2716
<u>EMERGENCY COMMUNICATIONS</u> . . . . .	882-9028	2707
Selective Signaling . . . . .		414 2708
<u>ADMINISTRATION AND LOGISTICS</u> . . . . .	882-8650	2726
		2727
<u>DATA COORDINATION</u>		
<u>TELECOPIER</u> . . . . .		2718
		2719
		2700
<u>ADVISORY SUPPORT</u>		
<u>NUCLEAR REGULATORY COMMISSION</u> . . . . .		2725
<u>BABCOCK &amp; WILCOX (NSSS SUPPLIER)</u>		

OCONEE NUCLEAR STATION  
CRISIS PHONE DIRECTORY  
BACKUP CRISIS MANAGEMENT CENTER  
LIBERTY RETAIL OFFICE, LIBERTY, S.C.

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AREA CODE - 803  
Telephone Number

RECOVERY MANAGER

843-2751  
843-2752

PUBLIC INFORMATION OFFICERS\*

State of South Carolina

Oconee County

Pickens County

843-9014  
843-6935

PLANT ASSESSMENT

843-2701  
843-2702  
843-2703  
843-2704

OFFSITE DOSE ASSESSMENT MANAGER

843-2705  
843-2761

ADMINISTRATION AND LOGISTICS

843-2762  
843-2763

CRISIS NEWS

843-2764  
843-2765

GOVERNMENT AGENCIES\*

NRC

State of South Carolina

Oconee County

Pickens County

843-2753  
843-2754  
843-2755

Liberty District Office lines which may be accessed by  
CMC personnel during an emergency:

843-9266  
843-9267  
843-9964  
843-0950

\*NOTE: Call any one of the numbers listed to reach the desired representative.

OCONEE NUCLEAR STATION

CRISIS PHONE DIRECTORY

CRISIS NEWS CENTER

KEOWEE-TOXAWAY VISITORS' CENTER

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<u>Position/Name</u>	<u>Private Line</u>	<u>Telephone Number</u> 882-5363 ONS <u>Switchboard</u>
<u>CRISIS NEWS DIRECTOR</u>	882-0601	2430
Mary Cartwright	882-5620	2431
		2720
		2721
		2722
		2723
		2724
<u>COMMERCIAL NEWS MEDIA</u>	882-6514	
(Active Numbers)	882-6515	
For drill purposes only	882-6519	
	882-6520	
	882-6522	
<u>COMMERCIAL NEWS MEDIA</u>	882-6529	
(Inactive Numbers)	882-6530	
Activated only during an	882-6533	
actual emergency	882-6535	
	882-6536	
	882-6538	
	882-6540	
	882-6541	
	882-6543	
	882-6544	
<u>NRC/STATE/COUNTY PUBLIC INFORMATION OFFICERS (PIO'S)</u>		
NRC	882-8094*	
Oconee County	882-6744*	
Pickens County	882-5537*	
State of S.C. (FEOC Line)	654-9363 (State Armory)	
(Duke Line)	882-6746	
Telecopier for PIO	882-4505	

\*Note: Oconee County or Pickens County may be reached on any one of these phones.

EMERGENCY OPERATION CENTER

Pickens County

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Primary Number

878-7808

EXECUTIVE GROUP\*

Emergency Preparedness Director  
County Administrator  
County Council

878-7527

878-7838

OPERATIONS GROUP\*

Law Enforcement  
Emergency Medical Service

878-7494

Rescue  
Mental Health  
Medical Service

878-2577

Fire  
Public Works

878-7409

ASSESSMENT\*

Red Cross  
Emergency Welfare Service

855-1020

Transportation  
Salvation Army

868-9207

Supply and Procurement  
Damage Assessment

878-7499

Public Information  
RADEF

878-7541

COMMUNICATIONS

878-7808

PUBLIC INFORMATION OFFICER

CRISIS NEWS CENTER-ONS\*

State of South Carolina  
Oconee County  
Pickens County  
NRC

882-8094

882-4505

882-5537

882-6744

CRISIS NEWS CENTER-LIBERTY RETAIL OFFICE\*

State of South Carolina  
Oconee County  
Pickens County  
NRC

843-2753

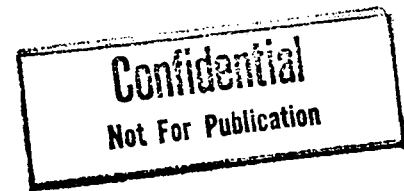
843-2754

843-2755

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

EMERGENCY OPERATION CENTER

Oconee County



Primary Number (24-hour) . . . . . 638-3097

NOTE\*: Numbers listed below are only activated during emergency operations.

OPERATIONS\*

Fire Protection . . . . . 638-2633  
Police . . . . . 638-2864  
638-3002  
Public Roads . . . . .  
Emergency Medical Services . . . . .  
Rescue Squads . . . . .

ASSESSMENT\*

Emergency Welfare Services . . . . . 638-2177  
638-2482  
Radiological Defense . . . . .  
Damage Assessment . . . . .

EXECUTIVE GROUP\*

Supervisor/Chairman County Council . . . . . 638-2540  
EOC Director . . . . .  
Financial Officer . . . . .  
FNF Representative . . . . .

PUBLIC INFORMATION OFFICER

CRISIS NEWS CENTER-ONS

State of South Carolina 882-8094  
Oconee County 882-4505  
Pickens County 882-5537  
NRC 882-6744

CRISIS NEWS CENTER LIBERTY RETAIL OFFICE

State of South Carolina 843-2753  
Oconee County 843-2754  
Pickens County 843-2755  
NRC

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

# CONTROL COPY

DUKE POWER COMPANY  
PROCEDURE PROCESS RECORD  
INFORMATION ONLY

(1) ID No. RP/O/B/1000/06Change(s) 0 to0 IncorporatedPREPARATION(2) STATION Oconee(3) PROCEDURE TITLE Protective Action Recommendations(4) PREPARED BY Hollman C. Jennings DATE 8/25/86(5) REVIEWED BY David Brothers DATE 8/27/86Cross-Disciplinary Review By \_\_\_\_\_ N/R CM 08/28/86

(6) TEMPORARY APPROVAL (If Necessary)

By \_\_\_\_\_ (SRO) Date \_\_\_\_\_

By \_\_\_\_\_ Date \_\_\_\_\_

(7) APPROVED BY Joe M. Davis DATE 8/27/86

(8) MISCELLANEOUS

Reviewed/Approved By Craig L. Harris Date 8/28/86

Reviewed/Approved By \_\_\_\_\_ Date \_\_\_\_\_

COMPLETION

(9) DATE(S) PERFORMED \_\_\_\_\_

(10) PROCEDURE COMPLETION VERIFICATION

- ☐ Yes ☐ N/A Check lists and/or blanks properly initialed, signed, dated or filled in N/A or N/R, 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 and properly dated, identified and marked?
- ☐ Yes ☐ N/A Acceptance criteria met?

VERIFIED BY \_\_\_\_\_ DATE \_\_\_\_\_

(11) PROCEDURE COMPLETION APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

(12) REMARKS

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
PROTECTIVE ACTION RECOMMENDATIONS

1.0 SYMPTOMS

- 1.1 Radioactive releases (or potential for release) that produce projected doses in excess of the limits of Enclosure 4.2 requires protective action recommendations.

2.0 IMMEDIATE ACTIONS

- 2.1 Refer to Enclosure 4.1 to determine the protective action recommendations.
- 2.2 Request actual dose projections and re-evaluate recommendations to counties and state using offsite monitoring measurements (if available) current meteorology, and core/reactor coolant system/containment status.

3.0 SUBSEQUENT ACTIONS

NOTE: COUNTY AND/OR STATE EMERGENCY OPERATIONS CENTER FACILITIES MAY OR MAY NOT BE ESTABLISHED AND THE GENERAL OFFICE EMERGENCY RESPONSE ORGANIZATION HAS NOT BEEN ACTIVATED.

- 3.1 Consider the following in conjunction with determining the final protective action recommendations to be made:
- 3.1.1 Sheltering for the population in the plume exposure EPZ not evacuated.
- 3.1.2 For any sheltering decision, consider evacuation of the population affected by ground contamination after the plume passes.
- 3.2 Contact Oconee County and Pickens County Emergency Preparedness agencies to update them of any revised recommendations. Notify the State of South Carolina warning point of the recommended action.
- 3.3 Determine evacuation status, as appropriate, by requesting follow-up information from the offsite agencies. (Enclosure 4.3)

4.0 ENCLOSURES

- 4.1 Protective Action Guide Flowchart
- 4.2 Protective Action Guide
- 4.3 Evacuation Status Report



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graph TD
    Q1((IS THE EMERGENCY CLASSIFIED SITE AREA EMERGENCY?)) -- Y --> A1[OFFSITE: RECOMMEND TO OFFSITE AUTHORITIES THAT PEOPLE IN THE 10-MILE EPZ BE MADE AWARE OF THE SITUATION AND MONITOR FOR FURTHER INFORMATION.  
ONSITE: ASSEMBLE AND CONSIDER EVACUATION OF NON-ESSENTIAL PERSONNEL.]
    Q1 -- N --> Q2((IS THE EMERGENCY CLASSIFIED A GENERAL EMERGENCY?))
    Q2 -- Y --> Q3((IS TIME OF DAY 1000 - 1359?))
    Q3 -- Y --> A2[SHELTER 2 MILE RADIUS AREA & 5 MILES DOWNWIND IN A 90° SECTOR. (IDENTIFY THE SECTORS.)]
    Q3 -- N --> A3[SHELTER OUT TO 5 MILE RADIUS]
    A2 --> A4[ON SITE EVACUATE NON-ESSENTIAL PERSONNEL]
    A4 --> Q4((HAS PHYSICAL CONTROL OF THE PLANT BEEN LOST (SECURITY INCIDENT)?))
    Q4 -- Y --> Q5((EVACUATION FEASIBLE? ROADS, BRIDGES, WEATHER, STATE/LOCAL AGENCIES))
    Q5 -- Y --> A5[RECOMMEND A 2 MILE RADIUS PRECAUTIONARY EVACUATION]
    Q5 -- N --> A6[RECOMMEND SHELTER FOR THOSE AREAS WHERE EVACUATION CANNOT BE DONE]
    Q4 -- N --> Q6((IS FIELD MONITORING TEAM DATA AVAILABLE?))
    Q6 -- Y --> A7[COMPARE PROJECTED DOWNWIND DOSES AND FIELD MEASUREMENTS WITH EPA PAQS (ENC. 4.2)]
    Q6 -- N --> A8[IF DOSE PROJECTIONS OR FIELD MEASUREMENTS ARE NOT AVAILABLE, DETERMINE ACTIONS BASED SOLELY ON CORE MELT ANALYSIS.]
    A7 --> A9[RECOMMEND PRECAUTIONARY EVACUATION 2 MILE RADIUS AND 5 MILES DOWNWIND IN A 90° SECTOR. (IDENTIFY THE SECTORS)]
    A8 --> A10[RECOMMEND PRECAUTIONARY EVACUATION 3 MILE RADIUS AND 10 MILES DOWNWIND IN A 90° SECTOR. (IDENTIFY THE SECTORS)]
    A9 --> A11[RECOMMEND SHELTER FOR THOSE AREAS WHERE EVACUATION CANNOT BE COMPLETED BEFORE PLUME ARRIVAL]
    A10 --> A11
    A11 --> A12[RECOMMEND SHELTER FOR THOSE AREAS WHERE EVACUATION CANNOT BE COMPLETED BEFORE PLUME ARRIVAL]
  
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DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
PROTECTIVE ACTION GUIDES

RP/0/00/06  
Enclosure 4.2

Projected Dose (Rem) to the Population	Recommended Actions (a)	Comments
Whole Body <1 Thyroid <5	No protective action required. State may issue an advisory to seek shelter and await further instructions or to voluntarily evacuate. Monitor environmental radiation levels.	Previously recommended protective actions may be reconsidered or terminated.
Whole Body 1 to <5 Thyroid 5 to <25	Seek shelter and wait further instructions. Consider evacuation particularly for children and pregnant women. Monitor environmental radiation levels. Control access.	
Whole Body 5 and above Thyroid 25 and above	Conduct mandatory evacuation of populations in the predetermined area. Monitor environmental radiation levels and adjust area for mandatory evacuation based on these levels. Control access.	Seeking shelter would be an alternative if evacuation were not immediately possible.

Projected Dose (Rem) to Emergency Team Workers	- VOLUNTARY BASIS - (PLANNED EMERGENCY EXPOSURE BEYOND 10 CFR 20 LIMITS)
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Whole Body 5-25*	Control exposure of emergency team members to these levels except for lifesaving missions. (Appropriate controls for emergency workers, include time limitations, respirators, and stable iodine.)	Respirators and stable iodine should be used where effective for emergency team workers.
Skin of whole body 30-125*		
Thyroid 125*		
Extremities 75		
Whole body 25-75*	Control exposure of emergency team members performing lifesaving missions to this level. (Control of time of exposure will be most effective.)	
Thyroid 150		
Skin of whole body 150		
Extremities 375		

(a) These actions are recommended for planning purposes. Protective action decisions at the time of the incident must take existing conditions into consideration.

\*NOTE: Dose up to this limit must be authorized by the Emergency Coordinator.

# EVACUATION STATUS SHEET

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

## Evacuation Recommendations by State of S.C.

- \_\_\_\_\_(b) People living in zones \_\_\_\_\_ remain indoors with the doors and windows closed, turn off air conditioners and other ventilation, monitor EBS stations.
- \_\_\_\_\_(c) People living in zones \_\_\_\_\_ evacuate their homes and businesses and go to a designated shelter.
- \_\_\_\_\_(d) Pregnant women and children in zones \_\_\_\_\_ remain indoors with the doors and windows closed, turn off air conditioners and other ventilation, and monitor EBS stations.
- \_\_\_\_\_(e) Pregnant women and children in zones \_\_\_\_\_ evacuate and go to a designated shelter.
- \_\_\_\_\_(f) Other recommendations: \_\_\_\_\_

POPULATION DENSITIES EVACUATION TIMES				
SECTOR	PERMANENT POPULATION	TRANSIENT POPULATION	EVACUATION TIME NORMAL CONDITIONS	EVACUATION TIME ADVERSE CONDITIONS
A-0 WITHIN 2 MILES	307	3,195	3:25	3:25
A-1	417	1,354	3:25	3:25
A-2	1,631	2,189	3:25	3:25
B-1	1,698	--	3:25	3:25
B-2	3,614	--	3:25	4:00
C-1	338	501	3:25	3:25
C-2	18,858	2,487	3:25	4:15
D-1	209	1,181	3:25	3:25
D-2	15,602	4,064	3:45	5:30
E-1	709	1,133	3:25	3:25
E-2	8,897	1,373	3:30	5:00
F-1	297	1,229	3:25	3:25
F-2	2,804	1,535	3:25	3:25
TOTAL	55,363	20,241	3:45	5:30
ALL SECTORS				

1. \_\_\_\_\_ Evacuation Begun

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

2. \_\_\_\_\_ Evacuation Complete

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

3. \_\_\_\_\_ Evacuation Verified

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