



Gary R. Peterson
Vice President

Duke Power
Catawba Nuclear Station
4800 Concord Road
York, SC 29745
(803) 831-4251 OFFICE
(803) 831-3426 FAX

December 1, 1999

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Subject: Duke Energy Corporation
Catawba Nuclear Station Units 1 and 2
Docket Nos. 50-413 and 50-414
Emergency Plan Implementing Procedures

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

RP/0/A/5000/010, Conducting a Site Assembly or Preparing the Site
for an Evacuation (Rev. 013)

RP/0/B/5000/022, Evacuation Coordinator Procedure (Rev. 003)

These revisions are being submitted in accordance with 10CFR
50.54(q) and do not decrease the effectiveness of the Emergency
Plan Implementing Procedures or the Emergency Plan.

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

If there are any questions, please call Tom Beadle at 803-831-
4027.

Very truly yours,

Gary R. Peterson

Attachments

A045

POL ADOCR 05000413

U.S. Nuclear Regulatory Commission
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xc (w/attachments):

L. A. Reyes
U.S. Nuclear Regulatory Commission
Regional Administrator, Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

(w/o attachments):

P. S. Tam
NRC Senior Project Manager (CNS)
U.S. Nuclear Regulatory Commission
Mail Stop O-8 H12
Washington, DC 20555-0001

D. J. Roberts
Senior Resident Inspector (CNS)
U.S. Nuclear Regulatory Commission
Catawba Nuclear Site

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bxc (w/o attachments):

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
T. R. Puryear
CN030G

Piedmont Municipal Power Agency
121 Village Drive
Greer, SC 29651

E. T. Beadle, CN01EP
G. D. Gilbert, CN01RC
K. E. Nicholson, CN01RC
RGC Licensing File, CN01RC
Electronic Licensing Library, EC050
CN-750.25

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/001	Classification of Emergency (Rev. 012)
RP/0/A/5000/002	Notification of Unusual Event (Rev. 032)
RP/0/A/5000/003	Alert (Rev. 034)
RP/0/A/5000/004	Site Area Emergency (Rev. 035)
RP/0/A/5000/005	General Emergency (Rev. 036)
RP/0/A/5000/06	Deleted
RP/0/A/5000/006 A	Notifications to States and Counties from the Control Room (Rev. 010)
RP/0/A/5000/006 B	Notifications to States and Counties from the Technical Support Center (Rev. 010)
RP/0/A/5000/006 C	Notifications to States and Counties from the Emergency Operations Facility (Rev. 010)
RP/0/A/5000/007	Natural Disaster and Earthquake (Rev. 016)
RP/0/A/5000/08	Deleted
RP/0/B/5000/008	Spill Response (Rev. 015)
RP/0/A/5000/009	Collision/Explosion (Rev. 005)
RP/0/A/5000/010	Conducting A Site Assembly or Preparing the Site for an Evacuation (Rev. 013)
RP/0/A/5000/11	Deleted
RP/0/B/5000/12	Deleted
RP/0/B/5000/013	NRC Notification Requirements (Rev. 023)
RP/0/B/5000/14	Deleted
RP/0/A/5000/015	Core Damage Assessment (Rev. 004)
RP/0/B/5000/016	Deleted
RP/0/B/5000/17	Deleted

November 9, 1999

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/018	Emergency Worker Dose Extension (1/15/96)
RP/0/B/5000/019	Deleted
RP/0/A/5000/020	Technical Support Center (TSC) Activation Procedure (Rev. 012)
RP/0/A/5000/021	Deleted
RP/0/B/5000/022	Evacuation Coordinator Procedure (Rev. 003)
RP/0/B/5000/023	Deleted
RP/0/A/5000/024	OSC Activation Procedure (Rev. 006)
RP/0/B/5000/025	Recovery and Reentry Procedure (Rev. 002)
RP/0/B/5000/026	Response to Bomb Threat (5/30/96)
RP/0/B/5000/028	Communications and Community Relations EnergyQuest Emergency Response Plan (Rev. 000)

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DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME II

PROCEDURE	TITLE
HP/0/B/1000/006	Emergency Equipment Functional Check and Inventory (Rev. 52)
HP/0/B/1009/001	Radiation Protection Recovery Plan (Rev. 007)
HP/0/B/1009/003	Radiation Protection Response Following a Primary to Secondary Leak (Rev. 008)
HP/0/B/1009/004	Environmental Monitoring for Emergency Conditions Within the Ten-Mile Radius of CNS (Rev. 0)
HP/0/B/1009/005	Personnel/Vehicle Monitoring for Emergency Conditions (Rev. 016)
HP/0/B/1009/006	Alternative Method for Determining Dose Rate Within the Reactor Building (Rev. 008)
HP/0/B/1009/007	In-Plant Particulate and Iodine Monitoring Under Accident Conditions (Rev. 018)
HP/0/B/1009/008	Contamination Control During Transportation of Contaminated Injured Individuals (Rev. 014)
HP/0/B/1009/009	Guidelines for Accident and Emergency Response (Rev. 038)
HP/0/B/1009/014	Radiation Protection Actions Following an Uncontrolled Release of Radioactive Material (Rev. 008)
HP/0/B/1009/016	Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release (Rev. 010)
HP/0/B/1009/017	Post-Accident Containment Air Sampling System (Rev. 013)
HP/0/B/1009/018	Deleted
HP/0/B/1009/019	Emergency Radio System Operation, Maintenance and Communication (Rev. 010)
HP/0/B/1009/024	Implementing Procedure for Estimating Food Chain Doses Under Post-Accident Conditions (Rev. 002)
HP/0/B/1009/025	Deleted
HP/0/B/1009/026	On-Shift Offsite Dose Projections (Rev. 002)

November 9, 1999

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME II

PROCEDURE	TITLE
SH/0/B/2005/001	Emergency Response Offsite Dose Projections (Rev. 000)
SH/0/B/2005/002	Protocol for the Field Monitoring Coordinator During Emergency Conditions (Rev. 000)
OP/0/A/6200/021	Operating Procedure for Post Accident Liquid Sampling System II+ (Rev. 031)
SR/0/B/2000/001	Standard Procedure for Public Affairs Response to the Emergency Response Facility (Rev. 001)
SR/0/B/2000/002	Standard Procedure for EOF Commodities and Facilities (Rev. 0)
SR/0/B/2000/003	Activation of the Emergency Operations Facility (Rev. 2)

November 9, 1999

Duke Power Company PROCEDURE PROCESS RECORD

(1) ID No. RP/O/A/5000/010

Revision No. 013

PREPARATION

(2) Station Catawba Nuclear Station

(3) Procedure Title Conducting a Site Assembly or Preparing the Site for an Evacuation

(4) Prepared By TM Jamil Date 10/19/99

- (5) Requires 10CFR50.59 evaluation?
- Yes (New procedure or reissue with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By GAMY L MITCHELL (QR) Date 10/19/99

Cross-Disciplinary Review By _____ (QR) NA OW Date 10/19/99

Reactivity Mgmt. Review By _____ (QR) NA GW Date 10/19/99

(7) Additional Reviews

Reviewed By _____ Date _____

Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)

By _____ (SRO/QR) Date _____

By _____ (QR) Date _____

(9) APPROVED BY Richard L Swigart Date 11/9/99

PERFORMANCE (Compare with control copy at least once 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) Dates(s) Performed _____

max

COMPLETION

(12) Procedure Completion Verification

- Yes N/A Check lists and/or blanks properly initialed, signed, dated, or filled in NA, 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 Procedure requirements met?

Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

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

<p>Duke Power Company Catawba Nuclear Station</p> <p>Conducting a Site Assembly or Preparing the Site for an Evacuation</p> <p>Multiple Use</p>	<p>Procedure No. RP/0/A/5000/010</p>
	<p>Revision No. 013</p>
	<p>Electronic Reference No. CN005GNW</p>

1. Symptoms

- 1.1 A Site Assembly is an occurrence that warrants the accountability of all personnel on site for reasons of personnel safety or for dissemination of information.
- Alert, Site Area Emergency or General Emergency has been declared.
 - Other plant conditions that, in the opinion of the Operations Shift Manager/Emergency Coordinator, warrant an assembly.
 - Radiation levels in unrestricted areas of the Auxiliary Building > 2 mr/hr.
 - EMF-41 indicates Auxiliary Building Airborne Radiation Level ($>1 \times 10^6$ cpm).
- 1.2 A Site Evacuation is an occurrence that necessitates the evacuation of non-essential personnel and declared pregnant workers for reasons of safety.
- Site Area Emergency, if plant conditions are rapidly degrading.
 - General Emergency.
 - Other plant conditions that, in the opinion of the Operations Shift Manager/Emergency Coordinator, warrant an evacuation.

2. Immediate Actions

NOTE: All personnel within the Protected Area are to be accounted and for within 30 minutes of the initiation of the Site Assembly.

- 2.1 Conduct a Site Assembly
- 2.1.1 Contact Security immediately at extension 3255 to inform them that a Site Assembly is being initiated.
- 2.1.2 The Operations Shift Manager or delegate shall:
- 2.1.2.1 Sound a 20 second blast of the Site Assembly/Evacuation alarm (pushbutton on MC-1).
- PRI-SITE ASSEM/EVAC
- OR**
- SEC-SITE ASSEM/EVAC

2.1.2.2 Announce over the plant PA System:

"This is the Operations Shift Manager. This is a Site Assembly. This is a Site Assembly.

There is/are _____

(What)

in/at _____

(Where)

All personnel and visitors report to an assembly point. If you are inside the Protected Area and unsure of where to assemble, report to the High Rise Canteen or the Service Building Railroad Bay."

2.1.3 Repeat Step 2.1.2.

2.1.4 Repeat Step 2.1.2 at 5-minute intervals until notification that the Site Assembly has been completed.

3. Subsequent Actions

3.1 **IF** personnel remain in Site Assembly after the initial accountability report, periodically assess the need for subsequent personnel accountability reports and Site Evacuation/Relocation.

3.2 **IF** the decision is made to secure from a Site Assembly, the Operations Shift Manager shall make the following announcement:

3.2.1 "This is the Operations Shift Manager. Secure from Site Assembly. Secure from Site Assembly."

3.2.2 Repeat 3.2.1.

NOTE: Site Assembly must precede Site Evacuation.
--

3.3 **IF** the decision is made to conduct Site Evacuation, the Operations Shift Manager **OR** the TSC Emergency Coordinator shall perform the following depending on the status of TSC activation:

3.3.1 **IF** the TSC is **NOT** activated, the Operations Shift Manager shall perform the following:

3.3.1.1 Contact RP Shift Technician on duty (ext. 5572 or plant pager 778-2777) for assistance in assessing the radiological hazard associated with the evacuation.

3.3.1.2 Select a Site Evacuation location using Enclosure 4.1.

3.3.1.3 Inform the Evacuation Coordinator (listed in the weekly Duty List) that an evacuation is being initiated and which relocation site will be used. Instruct the Evacuation Coordinator to report to that location and prepare for the evacuation per RP/0/B/5000/022.

3.3.1.4 Sound a 20 second blast of the Site Assembly/Evacuation alarm (pushbutton on MC-1).

- PRI-SITE ASSEM/EVAC

OR

- SEC-SITE ASSEM/EVAC

3.3.1.5 Announce over the plant PA system:

"This is the Operations Shift Manager. This is a Site Evacuation. This is a Site Evacuation. "All non-essential personnel and declared pregnant workers proceed to Site

_____."
(Newport - Newport Tie Station)
(Allen - Allen Steam Station)

3.3.1.6 Repeat Step 3.2.1.4 and 3.2.1.5 at 5-minute intervals until notification that the Site Evacuation has been completed.

3.3.1.7 Notify the Evacuation Coordinator at the Evacuation-Relocation Site when evacuated personnel can return to their work locations or are released to go home.

- A. Site Newport (Newport Tie Station)
 1. 8-909-2440 (Tie Station Office)
 2. 8-909-2447 (Site Evacuation Building)
- B. Site Allen (Allen Steam Station)
 1. 704-829-2350 (Switchboard)
 2. 704-825-2022

3.3.2 **IF** the TSC is activated, the TSC Emergency Coordinator shall perform the following:

3.3.2.1 Contact the RP Manager/Supervisor, TSC Dose Assessor and RP Support as appropriate for assistance in assessing the radiological hazard, wind speed and direction associated with the evacuation.

3.3.2.2 Select a Site Evacuation location using Enclosure 4.1.

- 3.3.2.3 Inform the Evacuation Coordinator that an evacuation is being initiated and which relocation site will be used. Instruct the Evacuation Coordinator to report to that location and prepare for the evacuation per RP/0/B/5000/022.
- 3.3.2.4 Inform the Control Room to perform Steps 3.2.1.4, 3.2.1.5 and 3.2.1.6.
- 3.3.2.5 **WHEN** Site Evacuation has been completed, inform the Control Room to stop performing Steps 3.2.1.4, 3.2.1.5 and 3.2.1.6.
- 3.3.2.6 Notify the Evacuation Coordinator at the Evacuation-Relocation Site when evacuated personnel can return to their work locations or are released to go home.
 - A. Site Newport (Newport Tie Station)
 - 1. 8-909-2440 (Tie Station Office)
 - 2. 8-909-2447 (Site Evacuation Building)
 - B. Site Allen (Allen Steam Station)
 - 1. 704-829-2350 (Switchboard)
 - 2. 704-825-2022

4. Enclosure

- 4.1 Determination of Evacuation-Relocation Site

NOTE: The key to Site Newport is kept at the Security PAP Badging Office.

1. **Site Newport is located at the Duke Power, Newport Tie Station. This site is approximately 4.8 miles SW of the plant.**
2. **Site Allen is located at the Allen Steam Station in Belmont, N.C. This site is approximately 10 miles NNE of the plant.**

NOTE: Wind Direction indicator in control room has a scale of 0 to 540 degrees. Both 0 and 360 degrees indicate North. To convert angles greater than 360 degrees to the standard 360 degree map (as above) you must subtract 360 from the indication.

3. Determine the Evacuation-Relocation Site as follows:

IF wind speed < 5 mph select Site Allen.

OR

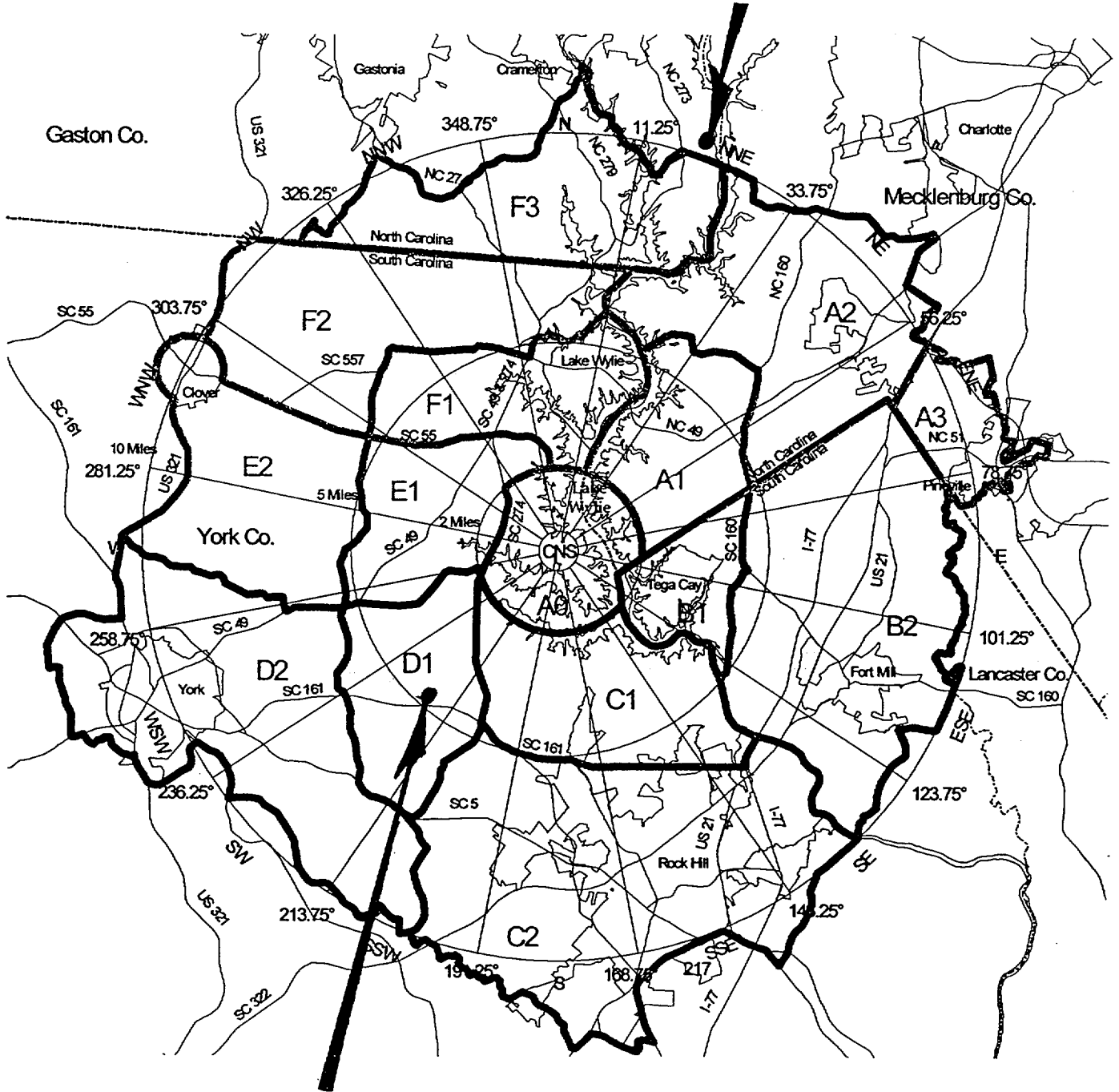
IF wind speed \geq 5 mph, use the table below:

Wind Direction (Degrees from North)	Select this Evacuation-Relocation Site
0 – 144.9	ALLEN
145 – 255	NEWPORT
255.1 – 360	ALLEN

OR

The Emergency Coordinator may use judgement to select the Evacuation-Relocation Site based on plant and/or meteorological conditions.

SITE "ALLEN"



SITE "NEWPORT"



Duke Power Company PROCEDURE PROCESS RECORD

(1) ID No. RP/0/B/5000/022

Revision No. 003

PREPARATION

(2) Station Catawba Nuclear Station

(3) Procedure Title Evacuation Coordinator Procedure

(4) Prepared By *M. Daniel* Date 10/21/99

- (5) Requires 10CFR50.59 evaluation?
- Yes (New procedure or reissue with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By *B. R. Smith* (QR) Date 10/21/99

Cross-Disciplinary Review By _____ (QR) NA *BRS* Date 10/21/99

Reactivity Mgmt. Review By _____ (QR) NA *BRS* Date 10/21/99

(7) Additional Reviews

Reviewed By _____ Date _____

Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)

By _____ (SRO/QR) Date _____

By _____ (QR) Date _____

(9) APPROVED BY *Richard L. Swigart* Date 11/9/99

PERFORMANCE (Compare with control copy at least once 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) Dates(s) Performed _____

Work Order Number (W/O #) _____

COMPLETION

(12) Procedure Completion Verification

- Yes N/A Check lists and/or blanks properly initialed, signed, dated, or filled in NA, 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 Procedure requirements met?

Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

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

Duke Power Company Catawba Nuclear Station Evacuation Coordinator Procedure Multiple Use	Procedure No. RP/0/B/5000/022
	Revision No. 003
	Electronic Reference No. CN005GOB

- Interfacing with the location management of the Evacuation-Relocation Site.
- Establishing communications with the TSC Emergency Planner, or if unavailable, the TSC Emergency Coordinator to indicate that the Evacuation-Relocation Site is ready to receive personnel and provide and/or receive future communications.

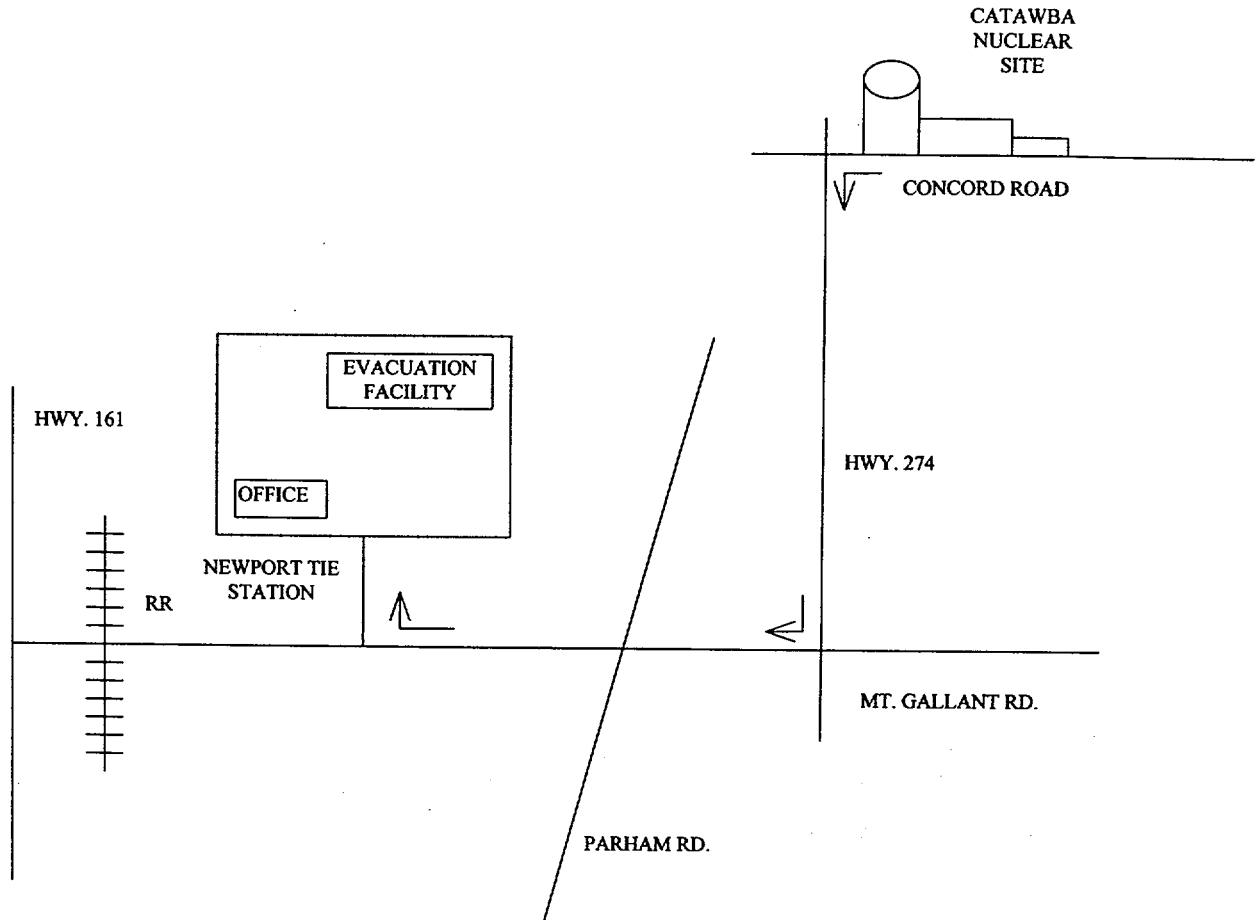
3.1.2 The Evacuation Coordinator is responsible for the following duties at the Evacuation-Relocation Site:

- Directing parking at the Evacuation-Relocation Site.
- Accounting for personnel as they arrive at the Evacuation-Relocation Site.
- Periodically reporting status of evacuated employees to the TSC Emergency Planner, or if unavailable, the TSC Emergency Coordinator.
- Disseminating periodic status reports to evacuated employees.
- Directing the return of personnel to the plant as needed and issuing roadblock passes to those personnel who need them.
- Authorizing evacuated employees to go home as situation warrants.
- Interfacing with EOF Director and/or EOF Commodities and Facilities Manager to provide information or request assistance as needed.
- As necessary, contacting non-duty Evacuation Coordinators to provide assistance with managing activities at the Evacuation-Relocation Site.
- Arranging shift schedules for management of activities at the Evacuation-Relocation Site.

4. Enclosures

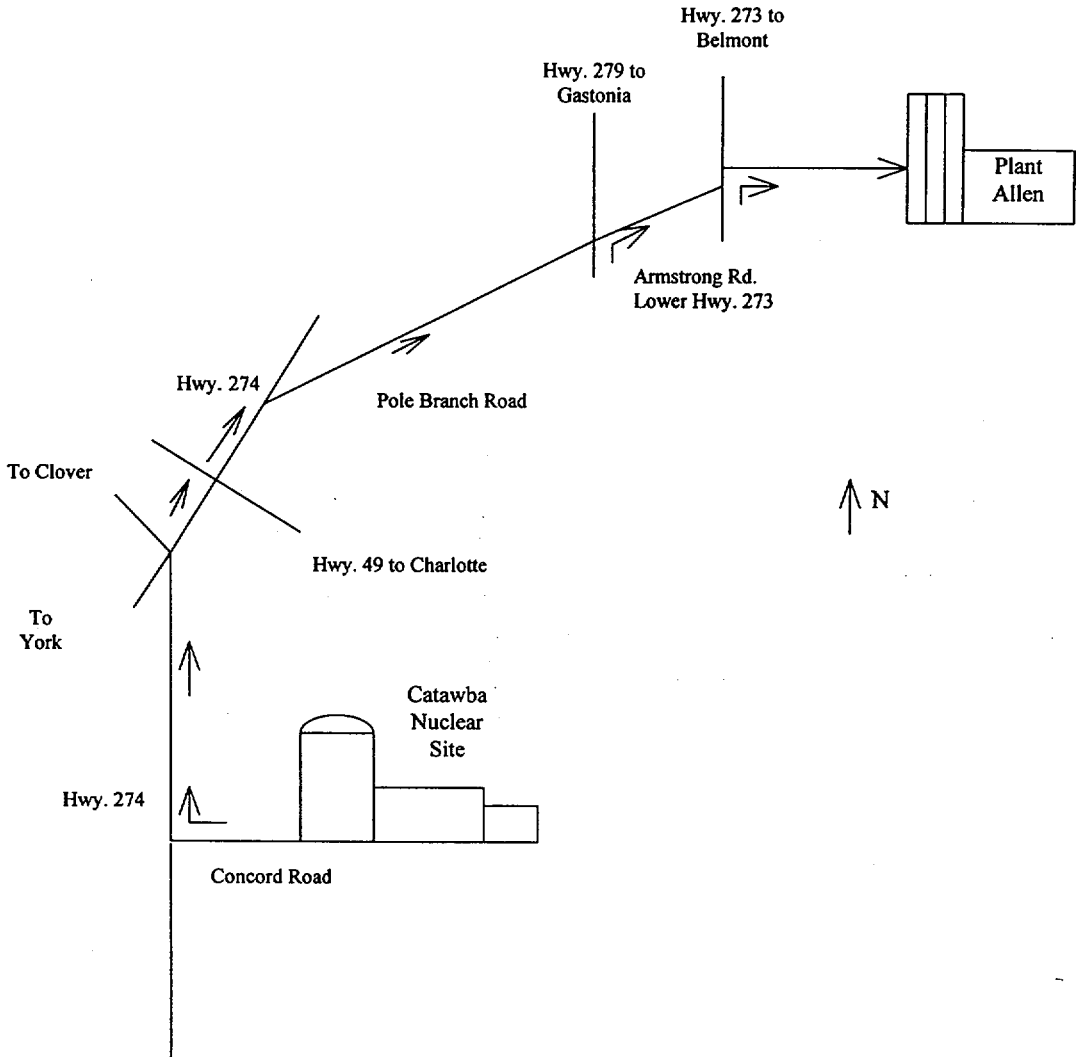
- 4.1 Evacuation-Relocation Map to Site Newport
- 4.2 Evacuation-Relocation Map to Site Allen

Enclosure 4.1
Evacuation /Relocation Site Newport
Newport Tie Station



June, 1998

Evacuation/Relocation Site Allen
Duke Power Company, Plant Allen



June, 1998