

**ANNEX 1**  
**Catawba Nuclear Station (CNS)**  
**ALERT AND NOTIFICATION**

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**I. INTRODUCTION**

Annex A establishes procedures for the prompt notification of the public within the 10-mile plume emergency-planning zone (10-mile EPZ) of the CNS. The procedures described herein focus on state and local coordination of fixed siren activation and broadcast of Emergency Alerting System (EAS) messages that contain clear protective action instructions based on decisions by appropriate government off-site response officials (OROs).

**II. PURPOSE**

To alert and provide prompt instructions to the public within the CNS 10-mile EPZ regarding an incident that is occurring or may occur at the station.

**III. CONCEPT OF OPERATIONS**

A. Alerting:

1. State agencies and local governments will be notified of an incident at the CNS as specified in paragraph III. B. and in the Basic Plan, Annex 1.
2. Duke Energy Corporation has installed 89 fixed sirens throughout the CNS 10-mile EPZ. The system's purpose is to alert the public that an incident has occurred at the CNS and that they should turn on their radios and televisions for further information.
3. The siren activating encoders for the fixed siren system are located in the CNS Control Room, the Toddville Maintenance Facility and the York County Warning Point.
4. The siren system is activated by digital computer system. This system provides immediate feedback depicting which sirens did or did not sound.
5. The siren system will produce a three-minute steady signal, and it is capable of repetition.
6. The siren system will be tested on the following schedule:
  - a. Silent test weekly.
  - b. Growl test weekly.
  - c. Full-cycle test quarterly.

NOTE: Full-cycle test may substitute for growl test.

7. The SC Department of Natural Resources-Law Enforcement, York County Sheriff's Department, NC Wildlife Commission, Charlotte-Mecklenburg Police Department and Gaston County Police Department will alert persons boating or fishing on Lake Wylie or the Catawba River.
8. In the event the siren system is inoperable, York County has assessed their current capabilities and has a designated route alerting plan and automated emergency notification system capable of warning the entire 10-mile EPZ population.

B. Notification:

1. If an incident occurs at the CNS, the primary means of initial public notification is through the National Weather Service (NWS). Local radio and television stations monitoring NWS will also broadcast information throughout the area.
2. The Emergency Alert System (EAS) will be the backup means of public notification. Local radio and television stations monitoring EAS will also broadcast information throughout the area.
3. When the SEOC is operational, alert and notification of the public will be accomplished as expeditiously as possible from the time a mutual decision is made by state and local OROs to take protective actions.
4. In a "fast-breaking" situation, when urgent public action is required and the SEOC is not operational, activation of the alert and notification system must be completed within 15 minutes from the time that state and/or local OROs receive verified notification from the CNS and mutually agreed upon appropriate protective actions.
5. The public notification system will be fully prepared to broadcast emergency operation before activating the siren system.
6. The National Weather Service Office, in Greer, SC, has a Duke Energy Corporation Decision Line, for Catawba Nuclear Station (CNS) that will be used to receive emergency notification messages for the public from SCEMD for broadcasts to media outlets and broadcasts on both tone alert and NOAA weather radios.
7. EAS stations for the CNS 10 mile EPZ (see Attachment A) will serve as the backup notification system. SCEMD will use standard EAS procedures for activating emergency notification messages to the backup EAS stations.
8. Upon declaration of an ALERT or higher Emergency Action Level (EAL), the CNS will establish a Joint Information Center (JIC) located at 526 S. Church Street, Charlotte, NC. The Governor's Press Secretary or designee will control, direct, and coordinate the South Carolina public information contingent operating at the JIC. Federal, state, local and CNS public information will be disseminated from the JIC to ensure effective coordination.

9. A public information contingent will operate from the SEOC until the JIC is established. The Governor's press secretary or designee will coordinate Media operations in the SEOC.
10. Formats for use in supplying emergency information to EAS stations are found in the Basic Plan, Annex 3, Attachment B. NOTE: The NWS will require at least 10 minutes in order to format the EAS message into the appropriate format for broadcast through their system. PIO and Operations personnel must include this additional 10 minute preparation time in their planning.
11. Duke Energy Corporation prints and disseminates Emergency Public Information Brochures and Calendars to resident in the 10-mile EPZ. The brochures and calendars explain daily plant operations, and also contain the descriptions of evacuation zones, evacuation routes, school pick-up points and other important facts, which aid the public in interpreting notification broadcasts (See Figure 4, Figure 1).
12. Children attending schools within the 10-mile EPZ receive Emergency Planning Information Summary brochures. Brochures are also available for transient populations.

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**ATTACHMENT A, ANNEX 1--FIXED NUCLEAR FACILITY EMERGENCY ALERT  
SYSTEM FOR THE UPSTATE OPERATIONAL AREA**

Duke Energy Corporation has a Decision Line telephone in the office of the National Weather Service (NWS) in Greer, SC. The NWS will participate in all conference calls utilizing the Catawba NS Decision Line during exercises and actual events. SCEMD will send all public notifications by telephone and fax to the NWS. The NWS will then broadcast these emergency notification messages to all media outlets in the Upstate Operational Area as well as NOAA Weather Radios and tone alert radios. SCEMD will verify receipt of all notifications to the NWS by commercial telephone.

NWS contact numbers are:

(FAX): (864)-848-1582

(Telephone): (864)-848-9972

The Emergency Alert System (EAS) for the Upstate Operational Area will serve as the backup to the NWS. SCEMD will fax all public emergency notification messages to the LP-1 station for further distribution via the EAS network.

<u>STATION, LOCATION</u>	<u>FREQUENCY, DESIGNATION</u>	<u>TELEPHONE</u>
WRHI-AM, Rock Hill	1340, Local Primary -1	(803) 324-1340
WRHM-FM, York County	107.1, Local Primary-1	(803) 324-1340
WNSC-FM, Rock Hill	88.9, State Relay-1, Local Primary-2	(803) 737-3420

WRHI-AM/WRHM-FM (LP-1) monitors: WCOS-FM, WFBC-FM, and WNSC-FM

WNSC-FM (SR-1, LP02) monitors: WCOS-FM, WFBC-FM and WLTR-FM

All radio and television stations with city of license and cable operators with their franchise agreements in the counties of Cherokee, Chester, Lancaster, Union and York compose the York Local Area and will monitor WRHI-AM/WRHM-FM, WNSC-FM and NOAA.

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