

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

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**I. INTRODUCTION**

Annex 1 establishes procedures for the prompt notification of the public within the CNS 10-mile Emergency-Planning Zone (EPZ) plume. 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 10-mile EPZ regarding an incident that is occurring or may occur at CNS.

**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 SCORERP Base Plan, Annex 1 (Alert and Notifications).
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 Technical Support Center, the Toddville Maintenance Facility and the York County Warning Point.
4. The siren system is activated by a computer system. This system provides immediate feedback depicting which sirens did/did not sound.
5. The SEOC will send out an EAS message following the siren sounding with emergency protective action instructions for the public.
6. The siren system will produce a three-minute steady signal, capable of repetition.
7. The siren system will be tested on the following schedule:
  - a. Silent test every two weeks.
  - b. Growl test quarterly.
  - c. Full-cycle test annually.

NOTE: Full-cycle test may fulfill one of the quarterly growl test requirements.

8. The SC Department of Natural Resources-Law Enforcement (SCDNR), York County Sheriff's Office, Tega Cay Police Department, NC Wildlife Commission, and Charlotte-Mecklenburg Police Department will alert persons boating or fishing on Lake Wylie or the Catawba River. State and local response organizations will initiate alert and clearing efforts and coordinate access control on the lake as needed.
9. In the event the siren system is inoperable, York County has assessed their current capabilities and has designated a route alerting plan and automated emergency notification system capable of warning the entire SC 10-mile EPZ population.

B. Notification

1. If an incident occurs at CNS, the primary means of initial public notification is through sounding of the sirens followed by EAS. Local radio and television stations monitoring EAS will also broadcast information throughout the area.
2. When the State Emergency Operations Center (SEOC) is operational, alert and notification of the public will be accomplished as expeditiously as possible and when state and local OROs have made a mutual decision for the affected public to take protective actions.
3. 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 NPP and mutually agree upon appropriate protective actions.
4. The public notification system will be fully prepared to broadcast emergency information before the siren system is activated.
5. EAS stations for the CNS 10-mile EPZ (see Attachment A, Annex 1).
6. A public information contingent will operate from the SEOC to establish a Joint Information Center/Joint Information System (JIC/JIS) as described in the SCORERP, Base Plan, Annex 3. The Governor's Director of Communications or designee will coordinate media operations in the SEOC or other location based on the incident conditions.
7. Formats for use in supplying emergency information to EAS stations are found in the SCORERP Base Plan, Annex 3, Attachment B.
8. Duke Energy disseminates an Emergency Public Information mailer for the residents in the 10-mile EPZ near the end of each calendar year. The mailer provides a website to the online brochure that explains daily plant operations, and contains the descriptions of evacuation zones, evacuation routes, school pick-up points, and other important facts, which aid the public in interpreting notification

broadcasts. The mailer also provides information cards for residents with functional needs.

9. Children attending schools within the 10-mile EPZ receive Emergency Planning Information Summary brochures. Brochures are also available for transient populations.

**ATTACHMENT A, ANNEX 1--STATE EMERGENCY ALERT SYSTEM FOR THE CNS  
OPERATIONAL AREA**

| <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.