

**ANNEX 1**  
**Oconee Nuclear Station (ONS)**  
**ALERT AND NOTIFICATION**

---

**I. INTRODUCTION**

Annex 1 establishes procedures for the prompt notification of the public within the ONS 10-mile Emergency Planning Zone (EPZ) plume. The procedures described herein focus on state and local coordination of emergency messages that contain clear protective action instructions based on decisions by appropriate government off site response officials (OROs) along with coordination of fixed siren activation.

**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 ONS.

**III. CONCEPT OF OPERATIONS**

**A. Alerting**

1. State agencies and local governments will be notified of an incident at the ONS as specified in section III. B. and in the South Carolina Operational Radiological Emergency Response Plan (SCORERP), Base Plan, Annex 1 (Alert and Notification Procedures).
2. The Integrated Public Alert and Warning System- Wireless Emergency Alerts (IPAWS-WEA) is the primary alerting method for the public that an incident has occurred at the ONS. SCEMD will initiate an IPAWS-WEA message in accordance with the SC IPAWS Plan.
3. Duke Energy Corporation has installed 65 fixed sirens throughout the ONS 10-mile EPZ. Sirens are the backup alerting method to alert the public.
  - a. Sirens are sounded simultaneously with IPAWS-WEA.
4. The siren activating encoder for the fixed siren systems are in the Pickens County EOC and the Oconee County Warning Point.
5. The siren system is activated by a digital computer system. This system provides automatic feedback depicting which sirens did/did not sound.
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 weekly
  - 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 (SCDNR) will alert persons boating or fishing on Lake Keowee and Lake Hartwell. SCDNR officers will initiate alert and clearing efforts and coordinate access control on the lake as needed.

B. Notification

1. If an incident occurs at ONS, the primary means of public notification is IPAWS-WEA.
2. The backup notification method for the public is the Emergency Alert System (EAS).
  - a. EAS will be sounded simultaneously with IPAWS-WEA and sirens.
    - (1) Local radio and television stations monitoring EAS will also broadcast information throughout the area.
  - b. Coordination of alerts and notifications to the public will occur on the established decision line with State and local officials.
  - c. See SC REP Public Alert and Notification Decision Line SOPs for more information on coordination steps.
3. 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.
4. In a “rapidly progressing severe accident” 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 of the time that state and/or local OROs receive verified notification from the Nuclear Power Plant and mutually agree on appropriate protective actions.
5. The public notification system will be fully prepared to broadcast emergency information before the siren system is activated.
6. EAS stations for the ONS 10-mile EPZ (See Annex 1, Attachment A).
7. 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 (Public Information). The Governor's Director of Communications or designee will coordinate media operations from the SEOC, or other location based on the incident conditions.
8. Samples of messages for dissemination can be found in the SCORERP, Base Plan, Annex 3 (Public Information), Attachment B.

9. 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.
10. Children attending schools in the 10-mile EPZ receive Emergency Planning Information mailers. Emergency Planning Information is also made available for transient populations.

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

| <u>STATION LOCATION</u> | <u>FREQUENCY,<br/>DESIGNATION</u> | <u>TELEPHONE</u> |
|-------------------------|-----------------------------------|------------------|
| WSSL-FM, Gray Court     | 100.5, State Relay-1              | (864) 242-1005   |
| WEPR-FM, Greenville     | 90.1, State Relay-2               | (803) 737-3420   |
| WNSC-FM, Rock Hill      | 88.9, State Relay-2               | (803) 737-3420   |
| WFBC-FM, Greenville     | 93.7, Local Primary-1             | (864) 271-9200   |
| WESC-FM, Greenville     | 92.5, Local Primary-2             | (864) 242-4660   |

All radio stations, television stations, and cable operators with their license and/or franchise agreements in the counties of Abbeville, Anderson, Cherokee, Chester, Greenville, Greenwood, Laurens, Oconee, Pickens, Spartanburg, Union, and York which compose of the Upstate Local Area will monitor WFBC-FM, WESC-FM and NOAA.