

ALERT AND NOTIFICATION of BOATERS

I. PURPOSE AND SCOPE

Annex G establishes the organizational responsibilities and procedures for alert and notification of boaters on river, waterways, lakes, and tributaries within a ten-mile radius of the commercial nuclear power facilities effecting North Carolina. These procedures ensure that boaters and individuals using recreation areas adjacent to the identified lakes and rivers will be alerted that an accident has occurred, that it is necessary to evacuate the area, and that radio, television and weather radios should be monitored for further instructions.

II. ORGANIZATION

The following organizations are involved in alert and notification of boaters and persons using surrounding recreation areas for the indicated locations:

A. BRUNSWICK NUCLEAR PLANT (Progress Energy):

CAPE FEAR RIVER

1. United States Coast Guard (USCG)
 - a. Sector North Carolina, Station Ft Macon
 - b. Marine Safety Unit, Wilmington
2. Progress Energy Brunswick Nuclear Plant
3. NC State Emergency Response Team (SERT)
4. NC Marine Patrol, Enforcement Section
5. NC Wildlife Commission, Enforcement Division

B. HARRIS NUCLEAR PLANT (Progress Energy):

JORDAN LAKE, UPPER CAPE FEAR, DEEP & HAW RIVERS

- a. Chatham County Emergency Management Office
- b. Moncure Fire Department
- c. NC Wildlife Resources Commission, Division of Enforcement
- d. NC Department of Environment and Natural Resources (DENR), Division of Parks and Recreation & Division of Forest Resources

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

- e. **United States Army Corps of Engineers (USACE), B. Everett Jordan Lake and Dam field office**
- f. **NC Highway Patrol – Communications & Logistics Section & Special Operations/Aviation Unit**

2. **HARRIS LAKE**

- a. **Wake County Department of Public Safety, Division of Emergency Management**
- b. **Wake County Sheriff's Department**
- c. **NC Highway Patrol – Communications & Logistics Section & Special Operations/Aviation Unit**
- d. **Chatham County Emergency Management Office**
- e. **NC Wildlife Resources Commission, Division of Enforcement**

3. **LOWER CAPE FEAR RIVER**

- a. **Harnett County Emergency Management**
- b. **NC Highway Patrol – Communications & Logistics Section & Special Operations/Aviation Unit**
- c. **NC Department of Environment and Natural Resources (DENR), Division of Parks and Recreation & Division of Forest Resources***
- d. **Northwest Harnett Volunteer Fire Department***
- e. **Summerville Volunteer Fire Department***

* These are backup alert and notification agencies to be activated for this area if SHP Aviation assets are unavailable or individuals identified by SHP do not leave the area when advised.

C. MCGUIRE NUCLEAR STATION (DUKE ENERGY):

1. **LAKE NORMAN**

- a. **Charlotte-Mecklenburg Emergency Management Office**
- b. **MEDIC Communications Center (County Warning Point)**
- c. **Charlotte/Mecklenburg Police Department, Lakes Enforcement Section**

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

- d. Charlotte/Mecklenburg Police Department, Airborne Division
- e. Mecklenburg Parks and Recreation
- f. Catawba County Sheriffs Department.
- g. Catawba County Parks and Recreation.
- h. Iredell County Sheriffs Department.
- i. Lincoln County Sheriffs Department.
- j. NC Wildlife Resources Commission, Enforcement Division

2. CATAWBA RIVER

NC Wildlife Resources Commission, Enforcement Division

D. CATAWBA NUCLEAR STATION (DUKE ENERGY):

LAKE WYLIE

1. NORTH CAROLINA

- a. Charlotte-Mecklenburg Emergency Management Office
- b. Mecklenburg County Medic Communications Center (County Warning Point)
- c. Charlotte-Mecklenburg Police Department, Lakes Enforcement Section
- d. Charlotte-Mecklenburg Police Department, Airborne Division
- e. Wildlife Resources Commission, Enforcement Division

2. SOUTH CAROLINA

- a. York County Emergency Management Office
- b. Department of Natural Resources (DNR), Law Enforcement Division

III. CONCEPT OF OPERATIONS

- A.** This Annex will be activated when a decision is made to institute alert and notification procedures for lakes, rivers, waterways, and tributaries and adjacent recreation areas. Precautionary evacuation can be accomplished at any time prior to declaration of Site Area Emergency.

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

- B.** Alert and notification of boaters within a ten-mile radius of the commercial nuclear power facilities effecting North Carolina will be accomplished using a combination boats as well as fixed and rotary wing aircraft. Protective actions within water operational areas will concentrate on evacuating people from threatened areas and then controlling access to these areas
- C.** Fixed siren warning systems will be the primary means of alert and notification of boaters on lakes and rivers.
- D.** Back-up / supplemental alert and notification of boaters within a ten-mile radius of the commercial nuclear power facilities will be accomplished using a combination of boats and with fixed and/or rotary wing aircraft (if available and weather permitting). Warning craft should be equipped with sirens, lights and public address systems. Notification of individuals in adjoining recreation areas will be via vehicles with sirens and public address systems.
- E.** If the weather prohibits the use of boats and aircraft, alert and notification procedures outlined will be conducted using boats only if and when the weather permits timely action. **(NOTE:** Fixed-siren warning systems will be activated regardless of weather conditions.)
- F.** When directed, boats/vessels will patrol assigned areas covering all navigable river, creek, lake and cove areas making contact with boaters and other individuals in the area, informing them of potential dangers to health/safety and instructing them to evacuate the area. Boats will cover pre-assigned areas at an appropriate speed for current weather and safety conditions while displaying airborne red flares (Red flares are **NOT** used by Brunswick Marine Warning units).
- G.** Signs have been posted in conspicuous locations informing boaters' individual using the adjoining recreation areas of the meaning of the warning signals and recommended protective actions. The signs are to be placed in advance at boat and recreation area access points. (See individual location attachment for exact sign language and posted locations.)
- H.** Prior to the State assumption of direction and control, the Lead County will activate alert and notification procedures when conditions warrant such actions. If alert and notification actions have not been accomplished prior to declaration of Site Area Emergency and activation of fixed siren systems, this Annex will be activated by the Lead County Emergency Management.
- I.** When the State assumes direction and control, the State through the SERT may direct both state and local agencies to support alert and notification actions if not already accomplished.

IV. COMMAND AND CONTROL

- A.** The individual Command and Control (C&C) Lead Agency and support agencies for

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

actions under Annex G are listed in the specific Appendix for the area needing alert and notification.

- B.** The primary functions and mission of the C&C team are as follows:
1. To direct and control alert and notification on lakes, rivers, waterways, and tributaries and adjacent recreation areas.
 2. To ensure timely evacuation or restrict access to the area, should conditions become necessary.
 3. To determine an appropriate land based location from which to operate. If required, a secondary command and control site may be identified at the time of execution of this Annex.
 4. To determine the radio communication frequencies and frequency assignments.
 5. To respond to any problems or request for assistance from any agency or organization involved with the alert and notification activity.
 6. The C&C team will communicate with the Lead County Emergency Operations Center (EOC) and keep the EOC advised concerning the status of operations.

V. RESPONSIBILITIES

See the applicable commercial nuclear power facility alert and notification appendix for specific agency and organization assignments.

A. LEAD COMMAND & CONTROL AGENCY

1. Develop and maintain procedures for alert and notification of boaters and individuals using adjacent recreation areas.
2. Act as coordinating agency for alert and notification of boaters operations within the ten-mile EPZ.
3. Ensure resources and manpower is available and trained for lake operation annually.
4. Act as command & control team leader for on-site operations regarding lake and river alert and notification.
5. Provide primary communication link with the county warning point and with EOC operations.

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

B. SUPPORT ORGANIZATIONS AND AGENCIES

1. Develop procedures for notification, warning and evacuation for assigned areas of responsibility.
2. Assist boaters with orderly evacuations from lake and rivers at access areas within areas of responsibility.
3. Secure water access and/or park areas after evacuations are complete.
4. Provide boats and/or aircraft (fixed or rotary wing) for the timely alert and notification operation on lakes, rivers, waterways, and tributaries and adjacent recreation areas.
5. Ensure personnel are trained for lake operations and radiological exposure control annually.

VI. ALERT AND NOTIFICATION

The Lead County Emergency Management Organization (EMO) will ensure a timely activation and response for alert and notification. The department/agency called will be in order specified by local SOP/SOGs and will be contacted via telephone or radio using the most rapid means available based on conditions at the station site.

- A. If the situation at the affected facility is a slow escalating condition and the EOC is fully or partially activated, the EMO staff will make, or will cause to be made, all necessary alert and notification calls for activation of the Annex G appendix applicable to their location...
- B. If the situation at the affected facility is one that requires immediate action the Lead County Warning Point representative will initiate contact of the designated departments/agencies the order specified by local SOP/SOGs in the most rapid manner possible.

VIII. INITIATING PROCEDURES FOR ZONE PATROLLING WITHIN THE TEN-MILE EPZ

- A. The primary concern is to initiate an immediate course of action that starts at the effected facility location and works outward. In addition to evacuation water areas all boating traffic will be stopped at the boundaries of ten-mile EPZ.
- B. Boats will conduct the Alert and notification activity in pairs or as individual units to complete mission objective.
- C. The zone description and the method of coverage or patrolling the assigned areas should allow for double coverage and/or follow-up coverage of all zones. This method will also ensure the quickest, most extensive coverage of the Lake/River area from the 0-2 mile and 2-5 mile areas from the plant site.

**North Carolina Radiological Emergency Response Plan
ANNEX G - ALERT AND NOTIFICATION OF BOATERS
January 2008**

- D. The Lead C&C boat will act as the control craft on the lake area and will communicate to the land based C&C element regarding problems or request for information or assistance.
- E. When directed, boats/vessels will patrol assigned areas covering all navigable river, creek, lake and cove areas making contact with boaters and other individuals in the area, at an appropriate speed for current weather and safety conditions.
- F. All boats not assigned a specific patrol zone will report by radio to the command and control center for instructions and/or assignment.
- G. While patrolling the assigned area all boats will sound sirens and display emergency lights (if equipped). Boats **(except those patrolling the Brunswick Nuclear Power Plant areas)** will periodically display red flares. In addition all boats with a PA system will broadcast the following message when appropriate:

**ATTENTION ALL BOATERS! ATTENTION ALL BOATERS! AN EMERGENCY
CONDITION HAS OCCURRED THAT CAN AFFECT YOUR SAFETY. PLEASE
RETURN TO YOUR LAUNCH POINTS AND EVACUATE THE AREA IMMEDIATELY.**

- H. See individual location appendix for specific information on Zone Patrol Areas.

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