



Department of Energy
Washington, D.C. 20545

Docket No. 50-537
HQ:S:83:227

FEB 25 1983

Dr. J. Nelson Grace, Director
CRBR Program Office
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. Grace:

ADDITIONAL INFORMATION ON CLINCH RIVER BREEDER REACTOR PLANT EMERGENCY
PLANNING

Enclosed are change pages to Preliminary Safety Analysis Report (PSAR)
Section 13.3 that reflect more accurately our preliminary plans for
coordination with the State of North Carolina and with local government
officials. These pages will be incorporated into the next PSAR
amendment.

Any questions regarding this submittal should be addressed to
Mr. W. Hibbitts (FTS 626-6455) of the Oak Ridge Project Office staff.

Sincerely,

John R. Longenecker
Acting Director, Office of
Breeder Demonstration Projects
Office of Nuclear Energy

Enclosure

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This section addresses the EN DES responsibilities for technical support during emergency conditions.

The KECC also serves as the communication center for other essential TVA offices such as the TVA Board of Directors, the General Manager, the Nuclear Safety Review Staff, and the Information Office.

The radiological emergency communications network will consist of a combination of commercial telephone circuits, radio, and microwave circuits. South Central Bell Telephone Company lines will be used as the primary means of communications during radiological emergency situations between plant, CECC, DNPEC, M'EC, KECC, and appropriate Federal and State agencies. This system will be augmented by the TVA Private Automatic Exchange (PAX).

The primary means of notification of plant and offsite personnel is the commercial telephone circuits. Additionally, pocket pagers are provided to certain key individuals in the emergency organization.

Figure 13.3-1 illustrates the relationship between the TVA emergency centers and depicts the interface among TVA, Federal, State, and local agencies.

13.3.3 Coordination With Offsite Groups

TVA will have agreements with other Federal agencies to assist in the evaluation and control of any radiological emergency. These agreements will include such agencies as the Department of Energy (DOE), Oak Ridge Operations Office, and the National Aeronautics and Space Administration (NASA), Marshall Space Flight Center. The CECC staff may request assistance from these outside agencies as required. The Site Emergency Director will be responsible for notification of NRC's regional office of Inspection and Enforcement.

Agreements ^{have been} ~~will be~~ made with the State of Tennessee, Tennessee Emergency Management Agency, to provide planning for emergencies at ~~TVA nuclear~~ the CRBRP facilities. This planning includes evacuation arrangements, traffic control, and support from other state ~~agencies as required~~. The Clinch River Breeder Reactor Plant Radiological Emergency Plan will utilize the liaisons already established in developing the Browns Ferry, Sequoyah, Watts Bar, and Bellefonte Radiological Plans with the States of Alabama and Tennessee. The Tennessee Emergency Management Agency will notify the State of North Carolina's and surrounding states and coordinate assistance from the various state agencies. ^{by TVA} and local agencies as listed in Table 13.3-1.

TVA will maintain liaison with the Tennessee Emergency Management Agency, particularly with respect to the availability of emergency services. The Tennessee Emergency Management Agency will inform these agencies of actions to be taken under their respective statutory authority and assist them in developing emergency procedures. TVA will provide any necessary training for local fire and police departments, ambulance services, and hospitals in radiological hygiene practices and recognition of radiological hazards. The attached Table 13.3-1 lists the organizations that will be participating in the Clinch River Breeder Reactor Plant Radiological Emergency Plan.

Department of
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Arrangements will be made for ^{local} ambulance service ^{and fire departments} to provide emergency service as required to the plant. Agreements will also be culminated between TVA and a nearby hospital to provide emergency treatment to irradiated or contaminated patients as required. TVA will assist in training ambulance attendants and hospital personnel in this type of treatment and will ensure that adequate equipment is made available as necessary. An agreement will also be made with the Radiation Emergency Assistance Center and Training Site (REAC/TS) Facility operated by the Oak Ridge Associated Universities (ORAU) for emergency treatment of severely contaminated or irradiated personnel.

13.3.4 Emergency Action Levels

TVA will utilize the following emergency classification:

1. Notification of Unusual Event
2. Alert
3. Site Emergency
4. General Emergency

This system of classification will be consistent with the system used by State and local emergency organizations.

A Notification of Unusual Event will provide early and prompt notification of minor events which could develop into or be indicative of more serious conditions which are not yet fully realized. The purposes of Notification of Unusual Event are to (1) assure that the first steps in activating emergency organizations have been carried out, and (2) provide current information on unusual events.

An Alert class will be indicated when events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. The purposes of the Alert class are to (1) assure that emergency personnel are readily available to respond if the situation becomes more serious or to perform confirmatory radiation monitoring if required, and (2) provide offsite authorities current status information.

A Site Emergency will be declared when events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. The purposes of the Site Emergency class are to (1) assure that response centers are staffed, (2) assure that monitoring teams are dispatched, (3) assure that personnel required for evacuation of nearsite areas are at duty stations if the situation becomes more serious, and (4) provide current information for and consultation with offsite authorities and the public.

A General Emergency will be declared when events are in progress or have occurred which involve actual or imminent substantial core failure with potential for loss of containment integrity. The purposes of the General Emergency class are to (1) initiate predetermined protective actions for the public, (2) provide continuous assessment of information from the site and