

Central Files



Carolina Power & Light Company

September 21, 1979

FILE: NG-3513 (R)

SERIAL: GD-79-2372

79 SEP 24 AIO: 26

USNRC REGION  
ATLANTA, GA

Mr. James P. O'Reilly, Director  
U. S. Nuclear Regulatory Commission  
Region II, Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DOCKET NO. 50-261 ✓

LICENSE NO. DPR-23

RESPONSE TO IE BULLETIN NO. 79-18

Dear Mr. O'Reilly:

In response to IE Bulletin 79-18, the following information is provided relative to H. B. Robinson Unit No. 2. The following responses are numbered corresponding to the Action paragraphs of the bulletin.

1. An investigation has been conducted to determine whether current alarm systems and evacuation announcement systems are clearly audible throughout all plant areas with the exception of some high noise areas in the containment where radiation levels limit access during normal operation. With the exception noted, all determinations in high noise areas were made with the maximum anticipated noise.

For discussion purposes it should be noted the plant public announcement (PA) system at Robinson contains a signal generator which is capable of producing three distinct alarm sounds. Two of these are currently used; one is used for evacuation in a Site Emergency and the other is used for the plant Fire Alarm. Also, it has been our practice to use voice announcements on the PA system to identify specific localized areas for evacuation in the event of an isolated problem not necessarily affecting the whole plant.

Except for the areas in containment noted above, the two alarms used were determined to be adequate for their intended purposes throughout the plant. However, it was determined that voice announcements, although audible, were not readily understandable in a number of high noise areas of the Auxiliary Building.

The third (currently unused) alarm generator channel available in the plant PA system was tested in the high noise areas of the Auxiliary Building and monitored with a

DB meter. It was determined that in areas where a PA loudspeaker was present, the alarm signal was audible. However, there are a number of normally unoccupied areas such as fan rooms which have no speaker.

In addition to the plant PA system, a separate Containment Evacuation Alarm is available for the containment building. This alarm is manually initiated from the control room if the containment area Radiation Monitor goes into an alarm condition. It is also initiated automatically during shutdown conditions upon receipt of a "High Flux at Shutdown" indication. After any actuation the operator immediately makes a voice announcement of the condition over the plant PA.

- 2&3. As a result of the investigations conducted as noted in Section 1, above, the following corrective actions have been determined for completion:
- a. Where voice announcements are not clearly audible, the third channel of the plant PA will be used as a Local Alarm.
    - 1. Plant PA loudspeakers will be added in the high noise areas which currently do not have speakers so that this Local Alarm can be heard.
    - 2. The necessary administrative measures will be completed to incorporate this into the Robinson Plant Operating Manual and the plant training programs.
  - b. The only other areas of question in the plant exist in the Containment Building and in particular the reactor coolant pump bays which are all inaccessible under plant operating conditions. These areas are served by a separate Containment Evacuation Alarm which is believed adequate. However, these areas will be evaluated when plant operating conditions permit.
4. For the accessible areas addressed in this response, the corrective action will be completed within the schedule required by the Bulletin.

For the inaccessible areas, the evaluation will be completed during the 1980 refueling outage and any corrective action found necessary would be implemented at that time. However, if an outage of suitable duration occurs earlier, the evaluation will be completed at that time.

September 21, 1979

The actions as described above are believed adequate to respond to the concerns of the Bulletin.

Very truly yours, .



B. J. Furr  
Vice President - Generation

RSM/CSB:jga\*

cc: Office of Inspection and Enforcement  
Division of Reactor Operation Inspection  
Washington D.C. 20555