



Carolina Power & Light Company

Central File
50-261

August 14, 1978

File: NG-3513 (R)

Serial: GD-78-2215

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

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

DOCKET NO. 50-261

FACILITY OPERATING LICENSE NO. DPR-23

I.E. BULLETIN 78-08 RADIATION LEVELS FROM FUEL ELEMENT TRANSFER TUBES

Dear Mr. O'Reilly:

In your I.E. Bulletin No. 78-08 of June 12, 1978, you requested that all nuclear plants using a fuel element transfer tube for the movement of fuel elements from the reactor to the spent fuel storage area perform an evaluation of the continuous and transient radiation levels near these tubes and indicate how access to these areas is controlled to prevent exposure to high level radiation.

At the H. B. Robinson Unit No. 2, surveys have been taken during each refueling outage of transient and continuous radiation levels at or near the fuel transfer tube. It is believed these surveys have resulted in the identification of all potential high radiation areas, as defined in 10CFR20.202.b.3, which are caused by fuel transfer. These high radiation areas are barricaded during a fuel transfer and posted in accordance with 10CFR20.203.c. Although no portion of the transfer tube is accessible in the unshielded condition, a proposed plant modification will result in fencing and locked gates being placed around the high radiation areas adjacent to the shielded tube to further control personnel access during fuel transfer. The need for this modification was identified by the Plant Nuclear Safety Committee during its meeting of April 4, 1978.

The construction of the fuel transfer canal, the thoroughness of radiation monitoring and surveying, and the proper control of high radiation areas at the H. B. Robinson Unit No. 2 make it highly unlikely that personnel will unwittingly become exposed to excessive

M02
cup

Mr. James P. O'Reilly

2

August 14, 1978

amounts of radiation from the fuel transfer tube. Carolina Power & Light Company, therefore, considers no further action warranted regarding this bulletin.

Yours very truly,

M A M. Duff

E. E. Utley
Senior Vice President
Power Supply

SBC/DCS/tme*