

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 50-324 Brunswick Steam Electric Plant, Unit 2, Carolina Power 05000324
 50-325 Brunswick Steam Electric Plant, Unit 1, Carolina Power 05000325

AUTH. NAME AUTHOR AFFILIATION
 ZIMMERMAN, S. R. Carolina Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Submits info re planned vent sys design for emergency operating facilities. Vent sys provides slight positive pressure to bldg, ensuring that any leakage would be from inside bldg to outside atmosphere.

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Carolina Power & Light Company

March 22, 1983

Mr. Harold R. Denton
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

Attn: Mr. Ed Williams

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
AND
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
VENTILATION SYSTEM FOR EMERGENCY RESPONSE FACILITIES

Dear Mr. Denton:

In accordance with our conversation with Mr. Ed Williams, the following information is provided concerning the planned ventilation system design for the Company's Nuclear Plant Emergency Operating Facilities.

The Emergency Operating Facilities (EOF) at the Brunswick Plant and the H. B. Robinson Plant are located on site within the same building as the Technical Support Center (TSC) but outside of the protected area. Both the EOF and TSC at these plants share the same ventilation system and have been designed to the same criteria as that plant's Control Room. The ventilation system provides a slight positive pressure to the building, ensuring that any leakage is from inside the building to the outside atmosphere. Upon activation of the emergency facility, required makeup intake air is directed through both high efficiency particulate absorber (HEPA) filters and charcoal beds. Carolina Power & Light Company (CP&L) provided to your staff on August 4, 1982 for the Brunswick Plant and on October 4, 1982 for the Robinson Plant, a radiation dose analysis demonstrating that this type of ventilation

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Mr. H. R. Denton

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system, in conjunction with shielding provided by the buildings, limits doses to to any individual to less than 5 REM to the whole body or its equivalent to any other part of the body.

Should you desire any additional information, please contact me.

Yours very truly,



S. R. Zimmerman
Manager
Licensing & Permits

SRZ/lr (016SRZ)

cc: Messrs. D. O. Myers (NRC-BSEP)
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