



Carolina Power & Light Company

October 7, 1981

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



BRUNSWICK STEAM ELECTRIC PLANT UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62

TMI ITEM II.F.1, "ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION"

Dear Mr. Denton:

As previously discussed in telephone conversations with your staff, Carolina Power & Light Company (CP&L) submits the following clarification to its letter of March 3, 1981, concerning NUREG-0737, "Clarification of TMI Action Plan Requirements," Item II.F.1, "Additional Accident Monitoring Instrumentation," for the Brunswick Steam Electric Plant (BSFP).

(1) Noble Gas Effluent Monitor

As stated in our letters of December 31, 1979 and March 31, 1981, CP&L is taking credit for an automatic isolation of BSEP's Reactor Building Ventilation Exhaust to preclude the release of high levels of radiation through this path. Redundant, induct radiation monitors provide the isolation signal to the main ventilation system and starts the Standby Gas Treatment system (SBGT) which discharges to the plant stack. All drywell vent and purge flow is exhausted to the plant stack. Therefore, since all potential sources of high levels of radiation from the Reactor Building are exhausted to the stack, the new high range stack monitor will meet the requirement of NUREG-0737, Section II.F.1-1. Additionally, BSEP's Reactor Building Exhaust currently is equipped with a continuous radiation monitor with an upper range of at least 10^{-2} uCi/cc. This range is suitable for expected levels of releases prior to exhaust duct isolation.

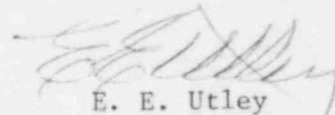
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(2) Sampling and Analysis of Plant Effluent

CP&L is presently purchasing a particulate and iodine sampling system which has the capability to sample the 10^2 uCi/cc concentrations stipulated in NUREG-0737. The new system employs a two train sampling system which automatically switches to a .06 CFM sampling rate when high noble gas concentrations are sensed. This will allow sampling for a duration which will not cause undue exposure to those collecting the sample and the sample will be representative of the duct's effluent.

We trust this information satisfies your concerns and if you have any further questions on this subject, please contact our staff.

Yours very truly,



E. E. Utley
Executive Vice President
Power Supply and
Engineering & Construction

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cc: J. Van Vliet