



Carolina Power & Light Company

SERIAL: LAP-83-418

OCT 17 1983

Director of Nuclear Reactor Regulation
Attention: Mr. D. B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
United States Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
RADIOLOGICAL EFFLUENT TECHNICAL SPECIFICATIONS

Dear Mr. Vassallo:

By letter dated December 13, 1982, Carolina Power & Light Company (CP&L) submitted to the NRC proposed Radiological Effluent Technical Specifications (RETS) for the Brunswick Steam Electric Plant. Subsequently, on March 25, 1983, a telephone discussion was held with Mr. Wayne Meinke of the Radiological Assessment Branch and Mr. Sam MacKay, the NRR Brunswick Project Manager, concerning the Brunswick RETS submittal. During these discussions, the request was made that CP&L better define completion dates for those instruments referenced in proposed Technical Specification (TS) Tables 3.3.5.8-1 and 3.3.5.9-1 as having applicabilities conditioned upon the completion of impending plant modifications. The purpose of this letter is to clarify CP&L's intentions concerning the installation of the subject effluent monitoring instrumentation.

The subject instruments were identified in the Brunswick RETS submittal as having conditional applicabilities because they will have a direct bearing on the Brunswick Plant's capability to monitor its effluents, although none of them are currently installed and operational. The submittal has been written in this manner such that the TS can apply to the current situation at Brunswick and will continue to apply after each of the instruments become operational, thereby minimizing the number of TS changes required over the next several years.

The attached summary identified each of the subject effluent monitoring instruments and provides the presently scheduled completion dates for each instrument. These schedules represent CP&L's best effort to install these instruments as soon as practicable in order to support the Brunswick RETS.

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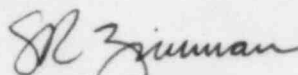
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Mr. D. B. Vassallo

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Should you have any questions concerning this submittal, please contact our staff.

Yours very truly,



S. R. Zimmerman
Manager

Nuclear Licensing & Special Nuclear Programs

WRM/tda (7852WRM)

Enclosure

cc: Mr. D. O. Myers (NRC-BSEP)
Mr. J. P. O'Reilly (NRC-RII)
Mr. S. D. MacKay (NRC)

Summary of
RETS Instrumentation Pending Installation

I. Stabilization Pond Effluent Composite Sampler

This instrument is a compositing water sampler on the effluent line from a plant storm drainage holding pond. This instrument is currently being installed and is presently expected to be operational by the end of 1983.

II. Stabilization Pond Effluent Flow Measuring Device

This instrument is associated with item (I) above to provide effluent accountability data. This instrument is currently being installed and is presently expected to be operational by the end of 1983.

III. Service Water Effluent from the Augmented Off-Gas Precooler Radioactivity Monitor

This instrument is a part of the augmented off-gas modification and is to be used to monitor a potential liquid release pathway from the system. This instrument is incorporated within the major engineering modification and as such was installed on Unit 1 during the Reload 3 outage and is presently scheduled to be installed on Unit 2 by the end of the Reload 5 outage scheduled to begin in March 1984.

IV. Reactor Building Component Cooling Water (Service Water) Radioactivity Monitors

These instruments consist of five service water monitors for each reactor unit. They monitor potential liquid release pathways from the component cooling systems. This monitor modification requires detailed engineering, then extensive procurement time, followed by installation. Currently, preliminary engineering has been initiated. Installation of these monitors for either reactor unit is unlikely before the end of 1984.

V. Main Condenser Off-Gas Treatment System Noble Gas Activity Monitor (Downstream of AOG)

This instrument is a part of the Augmented Off-Gas Modification and is to be used to monitor noble gas effluents from the system. This instrument is incorporated within the major engineering modification and as such was installed on Unit 1 during the Reload 3 outage and is presently scheduled to be installed on Unit 2 by the end of the Reload 5 outage scheduled to begin in March 1984.

VI. Main Condenser Off-Gas Treatment System Explosive Gas Monitoring System
(H₂ Monitors)

This instrument is a part of the Recombiner modification and is to be used to monitor hydrogen concentrations downstream of the system. This instrument is incorporated within the major engineering modification and as such was installed on Unit 1 during the Reload 3 outage and is presently scheduled to be installed on Unit 2 by the end of the Reload 5 outage scheduled to begin in March 1984.