

CP&L

Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 458
Southport, NC 28461

February 26, 1980

FILE: B3514

SERIAL: BSEP/80-403

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

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 USNRC REGION II
 ATLANTA, GA

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 & 2
LICENSE NOS. DPR-71 AND DPR-62
DOCKET NOS. 50-325 AND 50-324
RESPONSE TO INFRACTIONS OF NRC REQUIREMENTS

Dear Mr. O'Reilly:

Brunswick Steam Electric Plant has reviewed IE Inspection Report 50-324/80-03 and 50-325/80-03 and finds that it does not contain any information of a proprietary nature.

The report identified two items that appeared to be in noncompliance with NRC requirements. These items and Carolina Power & Light Company's response are addressed in the following list:

Infractions (2)

- A. As required by 10 CFR 20.203(f)(1) and (2) each container of licensed material containing quantities greater than those listed in Appendix C of 10 CFR 20 shall bear a durable, clearly visible label identifying the radioactive contents and shall bear the radiation caution symbol and the words "CAUTION, RADIOACTIVE MATERIAL" or "DANGER RADIOACTIVE MATERIAL". It shall also provide sufficient information to permit individuals handling or using the containers, or working in the vicinity thereof to take precautions to avoid or minimize exposures. 10 CFR 20.203(f)(3) specifies exceptions to the labeling requirements of 10 CFR 20.203(f)(1) and (2).

Contrary to the above, on January 24, 1980, the licensee had not labeled with the appropriate warnings and information, several containers of radioactive material stored in the general area between the plant and the diesel generator building. Radiation levels measured by the inspector indicated that the containers contained quantities of radioactive

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material in excess of those quantities specified in 10 CFR 20 Appendix C, below which labeling is not required. The exceptions to labeling requirements specified by 10 CFR 20.203(f)(3) did not apply.

- B. As required by 10 CFR 20.201(b), each licensee shall make or cause to be made such surveys as may be necessary for him to comply with the regulations in 10 CFR 20.

Contrary to the above, on January 25, 1980, the licensee had not performed the surveys necessary to prevent loss of control over two contaminated fire hoses found near the base of the plant stack. These fire hoses were not in any type of container and carried no labels yet dose rates of up to 40 mR/hr were measured on contact with the hoses.

Carolina Power & Light Company's Response

In the case of Infraction A, the postings required by 10 CFR 20.203(f) were installed on the containers in question to the satisfaction of the NRC inspector.

In the case of Infraction B, the hoses were properly disposed of and surveys conducted in the general area to assure that radioactive materials were labeled in accordance with 10 CFR 20.203(f).

In an effort to prevent a recurrence of these incidents, several actions have been undertaken:

1. These items of noncompliance were reviewed with the Health Physics technicians, and the need to maintain proper postings and conduct appropriate surveys was stressed.
2. A Health Physics technician has been assigned to the plant outside areas. The primary responsibility of this individual will be to ensure that radiological surveys and postings are conducted and maintained in accordance with the applicable NRC regulations.
3. An active program has been initiated to reduce the amount of radioactive waste volume generated at the Brunswick Plant. Short-term actions include the following:
 - a. Plant employees have been made aware of the need to reduce radioactive waste volumes.
 - b. Disposable clothing usage has been curtailed.
 - c. Packing materials, etc., are being excluded from contaminated areas of the plant, thus reducing radioactive waste volume.
 - d. A waste sorting effort is being initiated to remove clean waste from contaminated waste, again reducing radioactive waste volume.

Mr. James P O'Reilly

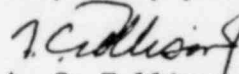
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As a long-term action, NUS Corporation, as part of their evaluation of the BSEP Radwaste System, has been requested to investigate the feasibility of developing an on-site low-level radioactive waste storage facility and utilizing incineration as a means of waste disposal. This evaluation will be completed in the latter part of 1980, and the required program changes will be implemented following a review of the NUS evaluation by company management.

The corrective actions stated in Items 1 and 2 have been completed.

Very truly yours,



A. C. Tollison, Jr., General Manager
Brunswick Steam Electric Plant

RMP/JLK/sgb

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