CP&L
Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429

83 FEB 23 A10:41

February 10, 1983

FILE: B09-13510A
SERIAL: BSEP/83-387

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 & 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
SUPPLEMENTAL RESPONSE TO IE BULLETIN 81-03

Dear Mr. O'Reilly:

In Mr. E. L. Jordan's letter on December 10, 1982, additional information was requested to supplement CP&L's May 26, 1981, response to IE Bulletin 81-03, Flow Blockage of Cooling Water to Safety System Components by Corbicula Sp. (Asiatic Clam) and Mytilus Sp. (Mussel). This supplemental information is provided below:

Request 1:

Your initial response indicated that the inspections, cleaning, and repairs would be completed and that a monitoring/testing program would be finalized. Please provide a supplement describing this program as soon as available.

Carolina Power & Light Company's Response:

An inspection and testing program has been established on those safety systems which have been found in the past to have experienced a shell problem. This program is as follows:

1. The Reactor Building Closed Cooling Water (RBCCW) System heat exchangers are being inspected every 92 days.

2. Procedures have been established (PT-08.1.4a and 08.1.4b) to monitor the differential pressure across the RHR heat exchangers so that a shell buildup problem can be identified in a timely manner.

3. Daily samples of the service water discharge have been initiated to assure appropriate chlorine levels.

8303010314 830210
PDR ADOCK 05000324
Q PDR

IE31

Past experience has indicated that any shell problem is first identified in either the RBCCW or the RHR heat exchangers; therefore, inspections on other service water safety systems will only be performed as determined by engineering inspections of shell buildup on RBCCW and RHR heat exchangers.

Request 2:

Provide a description for the planned methods of prevention and detection and evaluation of effectiveness. No response was provided regarding planned prevention to avoid future fouling problems. Please address this issue.

Carolina Power & Light Company's Response:

To prevent the attachment and growth of shell fish in the Service Water Safety System components and piping, a chlorination program maintaining a minimum of 1.0 (-0.5) ppm free available chlorine at the Service Water System discharge is being used. Other methods being used are those addressed in our response to Request 1.

Should you have further questions on this matter, please contact me or a member of my staff.

Very truly yours,

B. W. Howe

P. W. Howe - Vice President
Brunswick Nuclear Project

RMP/mcg/LETCG1

cc: Mr. R. C. DeYoung

P. W. Howe, having been first duly sworn, did depose and say that the information contained herein is true and correct to his own personal knowledge or based upon information and belief.

My commission expires: 3.22.87

Marsha N. Howe
Notary Public