Carolina Power and Light Company  
ATTN: Mr. J. S. Keenan  
Vice President  
Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC  28461  

SUBJECT: ANNUAL ASSESSMENT LETTER - BRUNSWICK STEAM ELECTRIC PLANT  
(REPORT 50-325/03-01 AND 50-324/03-01)  

Dear Mr. Keenan:

On February 5, 2003, the NRC staff completed its end-of-cycle plant performance assessment of the Brunswick Steam Electric Plant. The end-of-cycle review for Brunswick involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2002. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Overall, Brunswick operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response Column of the NRC’s Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only baseline inspections at your facility through March 31, 2004, as well as inspections of your Unit 2 power uprate activities.

The enclosed inspection plan details the inspections scheduled through March 31, 2004. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last six months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

As you are aware, since the terrorist attacks on September 11, 2001, the NRC has issued several orders and threat advisories to enhance security capabilities and improve guard force readiness. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For 2003, we plan to continue these inspections, conduct portions of the security baseline inspection program, as well as perform additional inspections to evaluate your
compliance with new requirements that may be ordered. Based on our final determinations in this regard, we will notify you of any inspection plan changes.

In accordance with 10 CFR 2.790 of the NRC’s “Rules of Practice,” a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4530 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Paul E. Fredrickson, Chief
Reactor Projects Branch 4
Division of Reactor Projects

Docket Nos. 50-325, 50-324
Licensee Nos. DPR-71, DPR-62

Enclosure: Brunswick Inspection/Activity Plan

cc w/encl: (See page 3)
cc w/encl:
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<table>
<thead>
<tr>
<th>Unit Number</th>
<th>Inspection Activity</th>
<th>Title</th>
<th>No. of Staff on Site</th>
<th>Planned Dates Start</th>
<th>Planned Dates End</th>
<th>Inspection Type</th>
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</thead>
</table>
| EB1         | - POWER UPRATE INSPECTION | 1
| 1, 2 | IP 71004 | Power Uprate | 1 | 03/10/2003 | 03/14/2003 | Supplemental Program |
| PS-RP       | - RADIATION PROTECTION | 2
| 1, 2 | IP 7112101 | Access Control to Radiologically Significant Areas | 2 | 03/10/2003 | 03/14/2003 | Baseline Inspections |
| 1, 2 | IP 7112102 | ALARA Planning and Controls | 2 | 03/10/2003 | 03/14/2003 | Baseline Inspections |
| 1, 2 | IP 7112202 | Radioactive Material Processing and Transportation | 2 | 03/10/2003 | 03/14/2003 | Baseline Inspections |
| 1, 2 | IP 71151 | Performance Indicator Verification | 1 | 03/10/2003 | 03/14/2003 | Baseline Inspections |
| EB2-ISI     | - INSERVICE INSPECTION-U2 | 1
| 2 | IP 7111108G | Inservice Inspection Activities - BWR | 1 | 03/17/2003 | 03/21/2003 | Baseline Inspections |
| PS-RP       | - RADIATION PROTECTION | 2
| 1, 2 | IP 7112101 | Access Control to Radiologically Significant Areas | 2 | 03/24/2003 | 03/28/2003 | Baseline Inspections |
| 1, 2 | IP 7112102 | ALARA Planning and Controls | 2 | 03/24/2003 | 03/28/2003 | Baseline Inspections |
| 1, 2 | IP 7112202 | Radioactive Material Processing and Transportation | 2 | 03/24/2003 | 03/28/2003 | Baseline Inspections |
| 1, 2 | IP 71151 | Performance Indicator Verification | 1 | 03/24/2003 | 03/28/2003 | Baseline Inspections |
| EB1SSDPC    | - SSDPC PRE-INSPECTION VISIT | 1
| 1, 2 | IP 7111121 | Safety System Design and Performance Capability | 1 | 07/07/2003 | 07/11/2003 | Baseline Inspections |
| EB1SSDPC    | - SAFETY SYS DESIGN & PERFORMANCE CAPABILI | 6
| 1, 2 | IP 7111121 | Safety System Design and Performance Capability | 6 | 08/11/2003 | 08/15/2003 | Baseline Inspections |
| 1, 2 | IP 7111121 | Safety System Design and Performance Capability | 6 | 08/25/2003 | 08/29/2003 | Baseline Inspections |
| EB2-MR      | - MAINTENANCE RULE | 1
| 1, 2 | IP 711112B | Maintenance Effectiveness | 1 | 10/14/2003 | 10/17/2003 | Baseline Inspections |
| PI&R        | - PROBLEM IDENTIFICATION & RESOLUTION | 3
| 1, 2 | IP 71152 | Identification and Resolution of Problems | 3 | 11/03/2003 | 11/07/2003 | Baseline Inspections |
| 1, 2 | IP 71152 | Identification and Resolution of Problems | 3 | 11/17/2003 | 11/21/2003 | Baseline Inspections |
| OL EP       | - EP INSPECTION | 1
| 1, 2 | IP 7111402 | Alert and Notification System Testing | 2 | 12/01/2003 | 12/05/2003 | Baseline Inspections |
| 1, 2 | IP 7111403 | Emergency Response Organization Augmentation Testing | 2 | 12/01/2003 | 12/05/2003 | Baseline Inspections |
| 1, 2 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | 2 | 12/01/2003 | 12/05/2003 | Baseline Inspections |
| 1, 2 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | 2 | 12/01/2003 | 12/05/2003 | Baseline Inspections |
| 1, 2 | IP 71151 | Performance Indicator Verification | 1 | 12/01/2003 | 12/05/2003 | Baseline Inspections |
| OL RQ       | - REQUAL INSPECTION | 2
| 1, 2 | IP 711111B | Licensed Operator Requalification | 2 | 12/01/2003 | 12/05/2003 | Baseline Inspections |

This report does not include INPO and OUTAGE activities. This report shows only on-site and announced inspection procedures.