

November 28, 2001

LICENSEE: Carolina Power & Light Company (CP&L)

FACILITY: Brunswick Steam Electric Plant, Unit Nos. 1 and 2

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2 - MEETING BETWEEN CP&L AND THE NUCLEAR REGULATORY COMMISSION (NRC) STAFF REGARDING POWER UPRATE PLANS (TAC NO. MB2700 & MB2701)

On October 24, 2001, the NRC staff met with representatives of CP&L, the licensee for the Brunswick Steam Electric Plant, Units 1 and 2 (BSEP), at the NRC offices in Rockville, Maryland. The purpose of the meeting was to discuss the content and status of CP&L's license amendment application for a power uprate at BSEP. Enclosure 1 lists the meeting participants. Enclosure 2 is a copy of the overhead slides that the licensee presented during the meeting.

The licensee submitted the extended power uprate amendment on August 9, 2001, with approval requested by March 2002. The planned amendment will be for an extended power uprate to be implemented over the next two refueling outages for each unit to 2923 MWt, which would be approximately 15 percent above the current licensed power level of 2558 MWt. A previous uprate provided approximately a 5 percent increase above the original licensed power level. This would represent a total uprate of approximately 20 percent above the original licensed power level of 2436 MWt.

During the meeting, the NRC staff discussed various aspects of the review with the licensee. As part of the power uprate program, the plant's accident dose calculations are being modified using final Regulatory Guide 1.183 guidance for new alternate source terms with some deviations that will be reviewed by the staff. This topic consumed a large portion of the meeting and has precipitated a request for another meeting. The extended power uprate amendment is similar to those approved for the Monticello and Hatch plants. However, CP&L is requesting a higher percentage power level increase (15 percent) for BSEP than previously implemented at the other plants. The uprate is planned in two steps: 6 percent for the first outage in the 2002-2003 timeframe, and 9 percent during the 2004-2005 timeframe. In addition, the licensee submitted a revised safety limit for minimum critical power for Unit 1 on September 18, 2001, with plans for an October 2002 submittal for Unit 2 to allow for the use of GE-14 fuel.

The Advisory Committee on Reactor Safeguards plans to review the Safety Evaluation for the power uprate prior to issuance. The NRC staff emphasized to CP&L the importance of timely and complete submittals in view of the tight schedule restraints. The licensee discussed goals that they had set for a 3-week turnaround to respond to requests for additional information. The licensee discussed aspects of their submittal that were unique to BSEP. The remainder of the meeting was spent on discussions involving proprietary information and a question and answer session.

/RA/

Donnie J. Ashley, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

Enclosures:

1. List of Meeting Attendees
2. Licensee Handouts

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LIST OF MEETING ATTENDEES

NRC AND CAROLINA POWER AND LIGHT COMPANY

October 24, 2001

<u>NAME</u>	<u>AFFILIATION</u>
David DiCello	CP&L/Brunswick
Mark Grantham	CP&L/Brunswick
Bob Kitchen	CP&L/Brunswick
Jeffrey Lyash	CP&L/Brunswick
Susan Rogers	CP&L/Brunswick
Mark Turkal	CP&L/Brunswick
Isreal Nir	General Electric
George Stramback	General Electric
Cheng-Ih Wu	NRC/NRR/DE
Narinder Trehan	NRC/NRR/DE/EEIB
Mike Waterman	NRC/NRR/DE/EEIB
Clare Goodman	NRC/NRR/DIPM
Kamalakar Naidu	NRC/NRR/DIPM
Donnie Ashley	NRC/NRR/DLPM
Mohammad Shuaibi	NRC/NRR/DLPM
Mike Jamgochian	NRC/NRR/DRIP/RGEB
Raj Goel	NRC/NRR/DSSA/SPLB
David Shum	NRC/NRR/DSSA/SPLB
Mark Blumberg	NRC/NRR/DSSA/SPSB
Donnie Harrison	NRC/NRR/DSSA/SPSB
Edward Throm	NRC/NRR/DSSA/SPSB
Zena Abdullahi	NRC/NRR/DSSA/SRXB
Lambros Lois	NRC/NRR/DSSA/SRXB
Ed Hartwig	Tennessee Valley Authority
Henry Jones	Tennessee Valley Authority

ACRS = Advisory Committee on Reactor Safeguards

DSSA = Division of Systems Safety and Analysis

DIPM = Division of Inspection Program Management

NMSS = Office of Nuclear Material Safety and Safeguards

DLPM = Division of Licensing Project Management

NRR = Office of Nuclear Reactor Regulation

DE = Division of Engineering

DRIP = Division of Regulatory Improvement Programs

ENCLOSURE 1

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Brunswick Steam Electric Plant
Units 1 and 2

cc:

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