



Carolina Power & Light Company

SERIAL: NLS-85-229

JUN 27 1985

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 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
LONG-TERM PLANNING

Dear Mr. Vassallo:

On April 29, 1985, Carolina Power & Light Company (CP&L) requested a license amendment regarding implementation of CP&L's Integrated Plant Modification Plan at Brunswick. In this submittal, we committed to provide implementation schedules for major work items at a later date. Enclosure 1 contains drafts of Schedules A and B which are submitted for your staff's information only. We request that a meeting be scheduled for mid-to-late July 1985 to discuss any questions arising from your preliminary review of this submittal.

Please refer any question regarding this submittal to Mr. Richard J. Fasnacht at (919) 836-7318.

Yours very truly,

S. R. Zimmerman  
Manager  
Nuclear Licensing Section

MAT/crs (1652MAT)

Enclosures

cc: Mr. W. H. Ruland (NRC-BNP)  
Dr. J. Nelson Grace (NRC-R11)  
Mr. M. Grotenhuis (NRC)

8507050298 850627  
PDR ADOCK 05000324  
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1/1

Enclosure 1  
to Serial No. NLS-85-229

Schedules A and B

		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE	UNIT 1	<div>REFUEL 4</div> <div>3/29 <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span> 12/13</div> <div style="text-align: center;">11/1</div>							
	UNIT 2	<div style="text-align: right;">REFUEL</div> <div>3/29 <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span></div>							
ATWS - NUREG 0460, 10CFR50.62	UNIT 1 (2)	4/16 ○ <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span> 10/13							
	UNIT 2 (2)	4/16 ○ <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span> 10/13							
ENVIR QUAL - IEB 7901B, 10CFR50.49, SER 3/5/85	UNIT 1 (1, 4)	3/29 ○ <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span> 11/1							
	UNIT 2 (1)								
FIRE PROT - 10CFR50 APP R, 10CFR50.48	UNIT 1 (1, 3, 5)								
	UNIT 2 (1, 3, 5)								
MARK I - NUREG 0661, 1/31/81 & 1/19/82 ORDER	UNIT 1 (1)	○ 11/1							
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
		1985				1986			

NOTES:

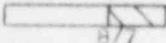
- (1) COMPLETION DATE TIED TO OUTAGE
- (2) DEVELOP & SUBMIT A PROPOSED SCHEDULE WITHIN 180 DAYS AFTER ISSUANCE OF QA GUIDELINES (10CFR50.62 (d))
- (3) SCHEDULE AS PROPOSED IN CP&L LETTER NLS-84-159 4/24/84.
- (4) START OF OUTAGE IS FIXED BY COMMITMENT TO COMPLETE ENVIRONMENTAL QUALIFICATION MODIFICATIONS AT THIS TIME
- (5) DUAL OUTAGE REQUIRED.

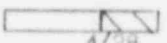
CAROLINA POWER & LIGHT  
BRUNSWICK STEAM ELECTRIC  
IMPLEMENTATION


26--JUN-85


DRAFT

1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

REFUEL 5  
5/9  9/25  
8/7

REFUEL 6  
2/4  6/16  
4/28

 12/26  
1/14

REFUEL 7  
7/2  11/11  
9/23



011/14

○ 4/28

6/22/90

1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

LEGEND:

 OUTAGE CRITICAL PATH  
 OUTAGE CONTINGENCY

TH  
APERTURE  
CARD

Also Available On  
Aperture Card

IGHT COMPANY

PLANT UNITS 1 & 2

SCHEDULE A

8507050298-01

		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
	UNIT 1	<div>REFUEL 4</div> <div>3/29 <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span> 12/13</div> <div style="text-align: center;">11/1</div>							
	UNIT 2	<div style="text-align: right;">REFUEL 6</div> <div>3/29 <span style="border: 1px solid black; display: inline-block; width: 150px; height: 15px; vertical-align: middle;"></span></div>							
BWR FEEDWATER CRACKING - NUREG 0619									
FEEDWATER CONTROLLER AND RWCU PIPING	UNIT 1 (1)								
	UNIT 2 (1)								
FW SPARGER REPLACE	UNIT 2 (1)								
CRD RETURN LINE CAP	UNIT 1 (1, 3)	O 11/1							
TMI ISSUES - NUREG 0737									
II.E.4.1 DEDICATED HYDROGEN PENETRATIONS	UNIT 1 (1)	O 11/1 NLS-84-299, 6/27/84							
	UNIT 2 (1)								
II.E.4.2.7 CNTMT ISOL HI RAD	UNIT 1 (1, 4)								
	UNIT 2 (1, 4)								
II.K.3.18 ADS LOGIC	UNIT 1 (1, 4)	O 11/1 NLS-84-102, 3/9/84							
	UNIT 2 (1, 4)								
III.D.3.4 CR HABITABILITY	UNIT 0	O 12/31 NLS-85-125, 4/15/85							
SEISMIC SUPPORTS - IEB 79-02, 79-07 & 79-14									
	UNIT 1 (1, 5)								
	UNIT 2 (1, 5)								
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
		1985				1986			

NOTES:

- (1) COMPLETION DATE TIED TO OUTAGE.
- (2) CP&L RELIABILITY IMPROVEMENT--FOR NRC INFORMATION ONLY.
- (3) CRD RETURN LINE CAPPING SCHEDULED FOR REFUEL 4. IN VESSEL LIQUID PENETRANT EXAM IS SCHEDULED FOR REFUEL 5.
- (4) PREVIOUS CORRESPONDENCE WITH NRC COMMITTED TO SCHEDULE THIS ITEM IN LONG RANGE PLAN.
- (5) CP&L LETTER NLS-84-214 NOVEMBER 26, 1984 COMMITTED TO SCHEDULE COMPLETION OF MODS IN LONG RANGE PLAN AND INCLUDED INTERIM COMPLETION.
- (6) DUAL UNIT OUTAGE REQUIRED.
- (7) COMPLETION DATE TIED TO OUTAGE COMPLETION PLUS THREE MONTHS.
- (8) IMPLEMENTATION SCHEDULE IS ONLY FOR THOSE WALLS COMMITTED TO BE MODIFIED IN CP&L LETTER NLS-84-190 APRIL 27, 1984.
- (9) ENGINEERING DESIGN EFFORT FOR ELEVEN ADDITIONAL WALLS.
- (10) SCHEDULE REFLECTS COMMITMENT TO SUBMIT A PROPOSED SCHEDULE FOR IMPLEMENTATION PER CP&L LETTER NLS-84-506 DECEMBER 27, 1984.

26-JUN-85

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CAROLINA POWER & LIGHT  
BRUNSWICK STEAM ELECTRIC PLANT  
IMPLEMENTATION SCHEDULE

1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>REFUEL 5</p> <p>5/9  9/25</p> <p style="margin-top: -10px;">8/7</p> </div> <div style="text-align: center;"> <p>REFUEL 6</p> <p>2/4  6/16</p> <p style="margin-top: -10px;">4/28</p> </div> </div>											
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>REFUEL 7</p> <p>7/2  11/11</p> <p style="margin-top: -10px;">9/23</p> </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div> <p> 12/26</p> <p>1/14</p> </div> <div> <p>○ 8/7 NLS-85-058; 3/22/85</p> </div> <div> <p>○ 9/23 NLS-85-058; 3/22/85</p> </div> </div>											
<div> <p>○ 11/14 NLS-84-228; 6/1/84 &amp; SER; 6/29/84</p> <p>5/9 ○  8/7 NLS-85-058; 3/22/85</p> </div>											
<div style="display: flex; justify-content: space-between;"> <div> <p>○ 11/14 NLS-84-299; 6/27/84</p> <p>○ 8/7 LAP-83-548; 12/16/83</p> <p>○ 11/14 LAP-83-548; 12/16/83</p> <p>○ 11/14 NLS-84-102; 3/9/84</p> </div> <div style="text-align: right; padding-right: 50px;"> <p><b>Also Available On</b> <b>Aperture Card</b></p> <p><b>TI</b> <b>APERTURE</b> <b>CARD</b></p> </div> </div>											
<div style="display: flex; justify-content: space-between;"> <div> <p>○ 8/7 NLS-84-214; 11/26/84</p> </div> <div> <p>○ 9/23 NLS-84-214; 11/26/84</p> </div> </div>											
1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
<div style="display: flex;"> <div style="width: 30%; border-right: 1px solid black; padding-right: 10px;"> <p>LEGEND:</p> <div style="margin-top: 10px;">  OUTAGE CRITICAL PATH   OUTAGE CONTINGENCY         </div> </div> <div style="width: 70%;"></div> </div>											
<p>COMPANY</p> <p>ANT UNITS 1 &amp; 2</p> <p>EDULE B</p>											

8507050298-02

		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
UNIT 1		REFUEL 4							
		3/29	<div><div></div></div>			11/1	12/13		
UNIT 2		REFUEL 6							
					3/29	<div><div></div></div>			
HFA/HGA RELAY RESOLUTION - IEB 84-02									
UNIT 1 (1, 4)						11/1	NLS-85-016; 2/14/85		
UNIT 2 (1, 4)									
LP TURBINE ROTOR REPLACEMENT									
UNIT 1 (1, 2)		3/29	<div><div></div></div>		11/1				
UNIT 2 (1, 2)						3/29	<div><div></div></div>		
ELEC DIST SYS - TRANSFORMER TAP CHANGES									
UNIT 1 (1, 6)									
UNIT 2 (1)									
IGSCC INSPECTION - GENERIC LETTER 84-11									
UNIT 1 (1)		3/29	<div><div></div></div>		11/1	NLS-85-045; 2/26/85			
UNIT 2 (1)						3/29	<div><div></div></div>		
SERVICE WATER PIPING REPLACEMENT (PHASE III)									
UNIT 1 (1, 2)									
UNIT 2 (1, 2)									
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
		1985					1986		

NOTES:


- (1) COMPLETION DATE TIED TO OUTAGE.
- (2) CP&L RELIABILITY IMPROVEMENT---FOR NRC INFORMATION ONLY.
- (3) CRD RETURN LINE CAPPING SCHEDULED FOR REFUEL 4. IN VESSEL LIQUID PENETRANT EXAM IS SCHEDULED FOR REFUEL 5.
- (4) PREVIOUS CORRESPONDENCE WITH NRC COMMITTED TO SCHEDULE THIS ITEM IN LONG RANGE PLAN.
- (5) CP&L LETTER NLS-84-214 NOVEMBER 26, 1984 COMMITTED TO SCHEDULE COMPLETION OF MODS IN LONG RANGE PLAN AND INCLUDED INTERIM COMPLETION.
- (6) DUAL UNIT OUTAGE REQUIRED.
- (7) COMPLETION DATE TIED TO OUTAGE COMPLETION PLUS THREE MONTHS.
- (8) IMPLEMENTATION SCHEDULE IS ONLY FOR THOSE WALLS COMMITTED TO BE MODIFIED IN CP&L LETTER NLS-84-190 APRIL 27, 1984.
- (9) ENGINEERING DESIGN EFFORT FOR ELEVEN ADDITIONAL WALLS.
- (10) SCHEDULE REFLECTS COMMITMENT TO SUBMIT A PROPOSED SCHEDULE FOR IMPLEMENTATION PER CP&L LETTER NLS-84-506 DECEMBER 27, 1984.

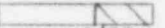
CAROLINA POWER & LIGHT  
BRUNSWICK STEAM ELECTRIC PLANT  
IMPLEMENTATION SCHEDULE


26-JUN-85


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	1987				1988				1989			
CT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

REFUEL 5  
5/9  9/25  
8/7

REFUEL 6  
2/4  6/16  
4/28

 12/26  
11/14

REFUEL 7  
7/2  11/11  
9/23

○ 11/14 NLS-85-016; 2/14/85

○ 11/14

○ 11/14 NLS-84-363; 8/30/84 & SER; 11/9/84

○ 11/14 NLS-84-363; 8/30/84 & SER; 11/9/84

○ 11/14 NLS-84-222; 6/1/84

Also Available On  
Aperture Card

TI  
APERTURE  
CARD



1/25/91

3/14/92

CT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
	1987				1988				1989			

LEGEND:

TION MILESTONES.



 OUTAGE CRITICAL PATH  
 OUTAGE CONTINGENCY

HT COMPANY

LANT UNITS 1 & 2

HEDULE B

8507050298-03

		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
	UNIT 1	REFUEL 4 3/29  12/13 11/1							
	UNIT 2	REFUEL 6 3/29 							
CONTM PURGE & VENT MODIFICATIONS									
	UNIT 1 (1)	O 11/1 CP&L LETTER B-X-0213							
EMER RESP CAP - NUREG 0737 SUP1									
SPDS- RFIS	UNIT 1 (7)								
	UNIT 2 (7)								
RG 1.97	UNIT 1 (7)								
	UNIT 2 (7)								
DCRDR	UNIT 0 (10)								
ERF	UNIT 0 (7)								
MASONRY WALL DESIGN - IE BULLETIN 80-11									
	UNIT 0 (4, 9)	O COMPLETED NLS-84-492; 12/21/84							
	UNIT 0 (4, 8)	O 7/5 NL							
SPENT FUEL POOL EXPANSION									
	UNIT 1 (2)								
	UNIT 2 (2)	1/1 O							
LIQUID RADWASTE SYSTEM MODIFICATIONS									
	UNIT 0 (2)	1/1 O							
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
		1985				1986			

NOTES:

- (1) COMPLETION DATE TIED TO OUTAGE.
- (2) CP&L RELIABILITY IMPROVEMENT--FOR NRC INFORMATION ONLY.
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- (6) DUAL UNIT OUTAGE REQUIRED.
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- (9) ENGINEERING DESIGN EFFORT FOR ELEVEN ADDITIONAL WALLS.
- (10) SCHEDULE REFLECTS COMMITMENT TO SUBMIT A PROPOSED SCHEDULE FOR IMPLEMENTATION PER CP&L LETTER NLS-84-506 DECEMBER 27, 1984.

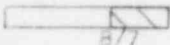
26-JUN-85

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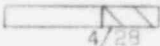
CAROLINA POWER & LIGHT  
BRUNSWICK STEAM ELECTRIC PLANT  
IMPLEMENTATION SCHEDULE

	1987				1988				1989			
T	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

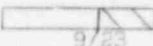
REFUEL 5


5/9  9/25  
8/7

REFUEL 6

2/4  6/16  
4/28

REFUEL 7

7/2  11/11  
9/23

 12/26  
11/14

/20/83

○7/28

○12/23

○11/6 NLS-84-506; 12/27/84

○2/13 NLS-84-506; 12/27/84

○5/14 NLS-84-506; 12/27/84

○7/28

84-190; 4/27/84

○5/8

○7/1

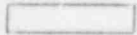

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Also Available On  
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APERTURE  
CARD

T	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
	1987				1988				1989			

LEGEND:

 OUTAGE CRITICAL PATH  
 OUTAGE CONTINGENCY

IN MILESTONES.

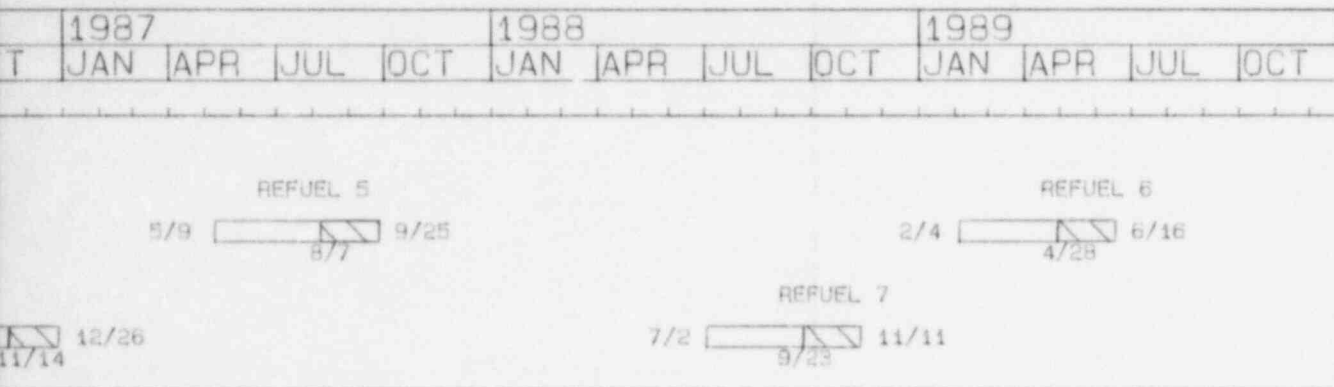
COMPANY

ANT UNITS 1 & 2

DULE B

8507050298-04

		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
UNIT 1		REFUEL 4 3/29 <div><div></div></div> 12/13 11/1							
UNIT 2		REFUEL 5 3/29 <div><div></div></div>							
N2 BACKUP SYSTEM - GENERIC LETTER 84-09									
UNIT 1 (1)		O 11/1 NLS-84-299; 6/27/84 & N							
UNIT 2 (1)									
		</							



Also Available On  
Aperture Card

**TI  
APERTURE  
CARD**

1987				1988				1989				
T	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

ION MILESTONES:

LEGEND:

OUTAGE CRITICAL PATH  
 OUTAGE CONTINGENCY

HT COMPANY

LANT UNITS 1 & 2

HEDULE B

8507050298-05