



Carolina Power & Light Company

AUG 20 1985

SERIAL: NLS-85-284

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 RANGE INTEGRATED SCHEDULE

Dear Mr. Vassallo:

In accordance with our commitment made in a meeting with your staff on August 1, 1985, Carolina Power & Light Company hereby submits the finalized version of Schedules A and B for the Brunswick Steam Electric Plant Unit Nos. 1 and 2. These schedules support our requested license amendment regarding long-term planning submitted on April 29, 1985.

As indicated by footnote 6 of Schedule A, the attached schedules assume approval of our extension request for environmental qualification of electrical equipment for Brunswick-2. This request was filed with the Commission on July 9, 1985.

The implementation dates shown for Emergency Response Capability - NUREG-0737 Supplement 1 (see page 3 of Schedule B), supersede the schedule provided in our letter of December 27, 1984. Should the EQ extension request be denied, the SPDS/ERFIS schedule will need to be re-evaluated.

As stated in our letter of April 24, 1984, three outages of sufficient duration for each unit will be required to complete the fire protection work as required by 10 CFR 50.48, Appendix R at Brunswick. We are currently on the schedule shown on Schedule A, however, this is subject to change depending on the date of issuance of the SER.

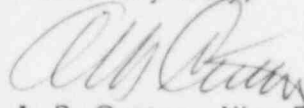
Carolina Power & Light Company is committed to an orderly incorporation of regulatory requirements through the implementation of an integrated schedule. The Commission recently endorsed and encouraged this approach in Generic Letter 85-07. Therefore, we request that you review and approve our proposed license amendment and schedules as soon as possible.

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PDR ADOCK 05000324
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Please refer any questions regarding this matter to Mr. Sherwood R. Zimmerman at
(919) 836-6242.

Yours very truly,



A. B. Cutter - Vice President
Nuclear Engineering & Licensing

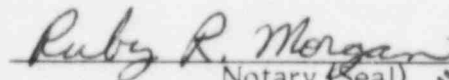
ABC/MAT/ccc (1811MAT)

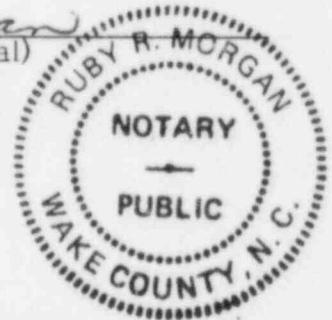
Attachments

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

A. B. Cutter, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are officers, employees, contractors, and agents of Carolina Power & Light Company.

My commission expires: 11/27/89


Notary (Seal)



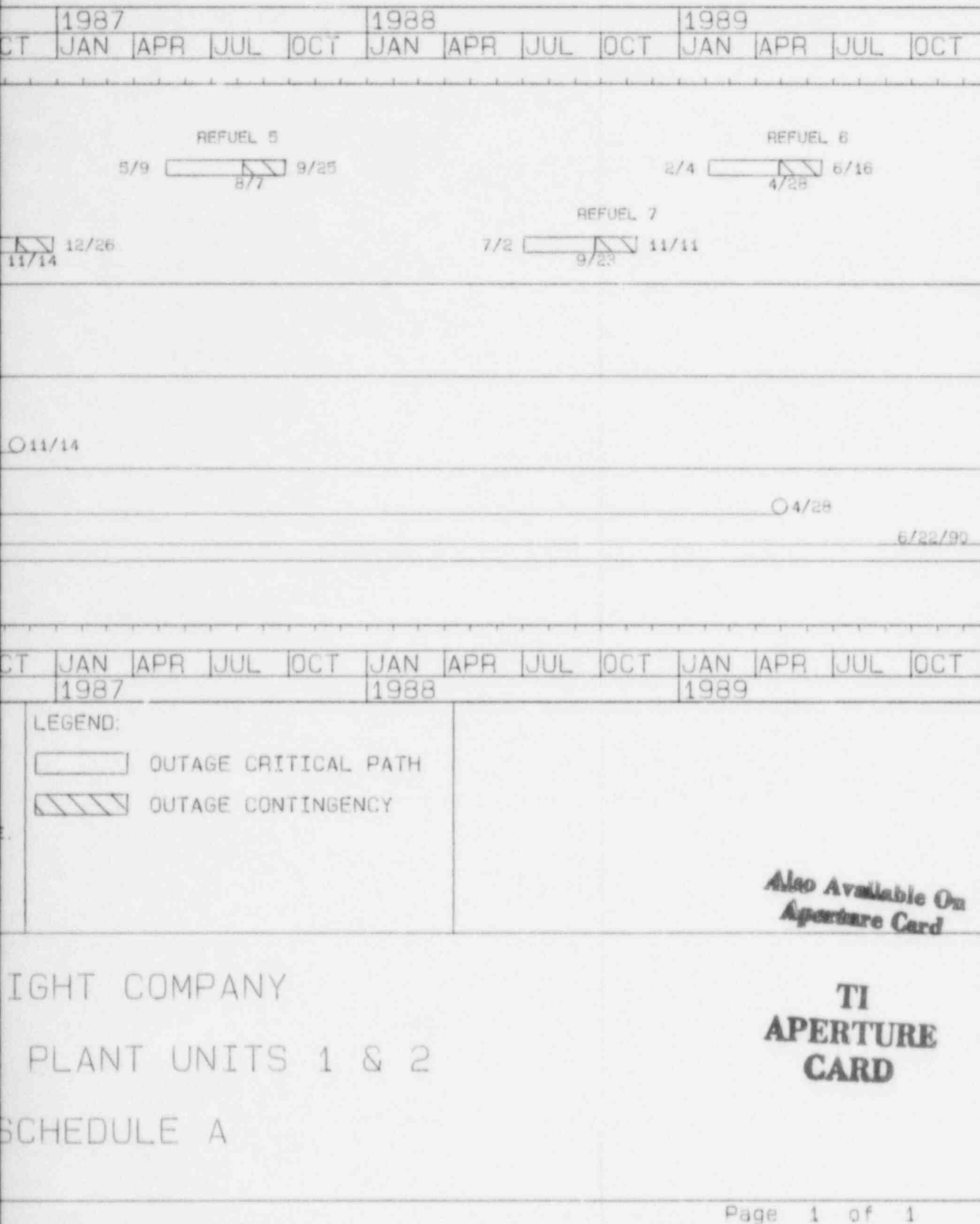
		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE	UNIT 1	REFUEL 4 3/29 11/1 12/13							
	UNIT 2	REFUEL 6 3/29 							
ATWS - NUREG 0460, 10CFR50.62	UNIT 1 (2)	4/16 ○ ○ 10/13							
	UNIT 2 (2)	4/16 ○ ○ 10/13							
ENVIR QUAL - IEB 7901B, 10CFR50.49, SER 3/5/85	UNIT 1 (1, 4)	3/29 ○ ○ 11/1							
	UNIT 2 (1, 6)								
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:

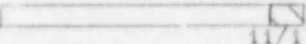

- (1) COMPLETION DATE TIED TO OUTAGE
- (2) DEVELOP & SUBMIT A PROPOSED SCHEDULE WITHIN 180 DAYS AFTER ISSUANCE OF QA GUIDELINES (10CFR50.62 (d))
- (3) SCHEDULE AS PROPOSED IN CP&L LETTER NLS-84-159, 4/24/84. FINAL SCHEDULE PENDING ISSUANCE OF NRC SER.
- (4) START OF OUTAGE IS FIXED BY COMMITMENT TO COMPLETE ENVIRONMENTAL QUALIFICATION MODIFICATIONS AT THIS TIME
- (5) DUAL OUTAGE REQUIRED.
- (6) PROPOSED SCHEDULE. SUBMITTAL OF FINAL SCHEDULE PENDING NRC ACTION ON DEFERRAL REQUEST NLS-85-190, 7/9/85

CAROLINA POWER & LIGHT
BRUNSWICK STEAM ELECTRIC
IMPLEMENTATION

1-AUG-85



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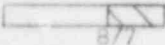
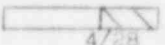

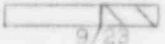

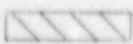
		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
	UNIT 1	REFUEL 4 3/29  12/13							
	UNIT 2	REFUEL 6 3/29 							
BWR FEEDWATER CRACKING - NUREG 0619									
FEEDWATER CONTROLLER AND RWCU PIPING	UNIT 1 (1)								
	UNIT 2 (1)								
FW SPARGER REPLACE	UNIT 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.

CAROLINA POWER & LIGHT
BRUNSWICK STEAM ELECTRIC PLANT
IMPLEMENTATION SCHEDULE

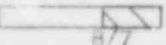
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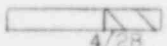
1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
<div style="display: flex; justify-content: space-around;"> <div> <p>REFUEL 5</p> <p>5/9  9/25</p> <p style="margin-left: 100px;">8/7</p> </div> <div> <p>REFUEL 6</p> <p>2/4  6/16</p> <p style="margin-left: 100px;">4/28</p> </div> </div>											
<div style="display: flex; justify-content: space-around;"> <div> <p> 12/26</p> <p>11/14</p> </div> <div> <p>REFUEL 7</p> <p>7/2  11/11</p> <p style="margin-left: 100px;">9/23</p> </div> </div>											
<p>○ 8/7 NLS-85-058, 3/22/85</p>											
<p>○ 9/23 NLS-85-058, 3/22/85</p>											
<p>○ 11/14 NLS-84-328, 6/1/84 & SER, 6/29/84</p> <p>5/9 ○ ○ 8/7 NLS-85-058, 3/22/85</p>											
<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>											
<p>○ 8/7 NLS-84-214, 11/26/84</p>											
<p>○ 9/23 NLS-84-214, 11/26/84</p>											
1987				1988				1989			
JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
<div style="display: flex;"> <div style="flex: 1;"> <p>LEGEND.</p> <p>ON MILESTONES.</p> <div style="display: flex; align-items: center;">  <p>OUTAGE CRITICAL PATH</p> </div> <div style="display: flex; align-items: center;">  <p>OUTAGE CONTINGENCY</p> </div> </div> <div style="flex: 1; text-align: center;"> <p>Also Available On Aperture Card</p> <p>TI APERTURE CARD</p> </div> </div>											
<p>AT COMPANY</p> <p>PLANT UNITS 1 & 2</p> <p>MODULE B</p>											


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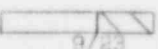
		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
UNIT 1	REFUEL 4	3/29				11/1	12/13		
UNIT 2	REFUEL 6						3/29		
HFA/HGA RELAY RESOLUTION - IEB 84-02	UNIT 1 (1, 4)					11/1	NLS-85-016, 2/14/85		
	UNIT 2 (1, 4)								
LP TURBINE ROTOR REPLACEMENT	UNIT 1 (1, 2)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

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

REFUEL 5
5/9  9/25

REFUEL 6
2/4  6/16

 12/26
11/14

REFUEL 7
7/2  11/11

○ 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



1/25/91

3/14/92

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

LEGEND:

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 OUTAGE CRITICAL PATH
 OUTAGE CONTINGENCY

Also Available On
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LANT UNITS 1 & 2


HEDULE B


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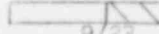
		1985				1986			
		JAN	APR	JUL	OCT	JAN	APR	JUL	OCT
NOTES									
OUTAGE SCHEDULE									
	UNIT 1	REFUEL 4							
		3/29				11/1	12/13		
	UNIT 2	REFUEL 6							
					3/29				
CNTMT PURGE & VENT MODIFICATIONS									
	UNIT 1 (1)	O 11/1 CP&L LETTER B-X-0213							
EMER RESP CAP - NUREG 0737 SUP1									
SPDS-ERFIS	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.									
(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									
1-AUG-85									

	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

1/20/83

○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

S-84-190; 4/27/84


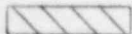
○5/8

○7/1

○4/4

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

LEGEND:

 OUTAGE CRITICAL PATH
 OUTAGE CONTINGENCY

Also Available On
Aperture Card

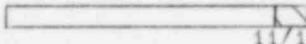

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LANT UNITS 1 & 2

HEDULE B

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

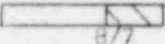
NOTES:

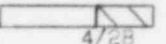
- (1) COMPLETION DATE TIED TO OUTAGE.
- (2) CP&L RELIABILITY IMPROVEMENT--FOR NRC INFORMATION ONLY.
- (3) CRD RETURN LINE CAPPING SCHEDULED FOR REFUEL 4. IN VESSEL LIQUID PENETRANT EXAM IS SCHEDULED FOR REFUEL 5.
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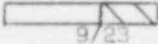
CAROLINA POWER & LIGHT
BRUNSWICK STEAM ELECTRIC PLANT
IMPLEMENTATION SCHEDULE

1-AUG-85

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

REFUEL 5
 5/9 9/25
 8/7 8/25

REFUEL 6
 2/4 6/16
 4/28 5/16

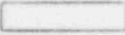
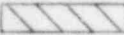
 7/2 11/11
 9/23 10/11

LS-85-063, 3/1/85

11/14 NLS-84-299, 6/27/84

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

LEGEND:

 OUTAGE CRITICAL PATH
 OUTAGE CONTINGENCY

Also Available On
Aperture Card

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LANT UNITS 1 & 2

SCHEDULE B

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