



10 CFR 50.55a

Serial: RNP-RA/09-0061

AUG 11 2009

United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261/LICENSE NO. DPR-23

ADDENDUM TO "90 DAY INSERVICE INSPECTION  
SUMMARY REPORT" FOR REFUELING OUTAGES 21, 22, 23, AND 25

Ladies and Gentlemen:

Carolina Power and Light Company, also known as Progress Energy Carolinas, Inc., is providing an addendum to "Submittal of 90 Day Inservice Inspection Report," from Refueling Outages 21, 22, 23, and 25. The reports were prepared in accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, 1995 Edition, 1996 Addenda, Article IWA-6000. The enclosed forms were not included in the reports. These forms include work activities associated with Flow Element (FE)-476, FE-486, and FE-496 that were completed during Refueling Outages 21, 22, 23, and 25 at the H. B. Robinson Steam Electric Plant, Unit No. 2.

If you have any questions concerning this matter, please contact me at (843) 857-1626.

Sincerely,

*R. A. Castell For*  
C. A. Castell  
Supervisor – Licensing/Regulatory Programs

CAC/ahv

Enclosure

c: Resident Inspector, HBRSEP  
Mr. T. J. Orf, NRC, NRR  
Mr. L. A. Reyes, NRC, Region II

Progress Energy Carolinas, Inc.  
Robinson Nuclear Plant  
3581 West Entrance Road  
Hartsville, SC 29550

A047  
NRR

United States Nuclear Regulatory Commission

Enclosure to Serial: RNP-RA/09-0061

15 Pages (including cover page)

Refueling Outage (RO)	Inservice Inspection Summary Report Date	Form Number
RO 21	February 11, 2003	09-005, 09-006, 09-007
RO 22	August 26, 2004	09-003, 09-004
RO 23	January 16, 2006	09-002
RO 25	February 11, 2009	09-001

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 774610 CR: 328429  
 Repair Organization PO No; Job No; etc.
3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:3 FEED WATER SYSTEM 3050
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-476	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt
- Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 774610 turnover package.  
Applicable Manufacturer's Data Reports to be attached

<b>CERTIFICATE OF COMPLIANCE</b>		
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.		
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u><i>Jack Sande</i></u>	ISI ENGINEER	Date <u>5/14/2009</u>
	Owner or Owner's Designee, Title	
<b>CERTIFICATE OF INSERVICE INSPECTION</b>		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>5/14/2009</u> to <u>5/14/2009</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.		
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
<u><i>Nancy C Ritchie Shafter</i></u> Inspector's Signature	Commissions	<u>NC 8447</u> National Board, State, Province, and Endorsements
Date: <u>5/14/2009</u>		

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name

411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address

2. Plant H.B.ROBINSON Unit: 2  
 Name

3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 559035 CR: 328429  
 Repair Organization PO No; Job No; etc.

3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address

4. Identification of System: Class:3 FEED WATER SYSTEM 3050

5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-486	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 559035 turnover package.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE		
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.		
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u>John Sande</u>	ISI ENGINEER	Date <u>5/14/2009</u>
Owner or Owner's Designee, Title		

  

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>5/14/2009</u> to <u>5/14/2009</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>Nancy C Rutledge Shoghton</u> Inspector's Signature	Commissions <u>NC 8447</u> National Board, State, Province, and Endorsements
Date: <u>5/14/2009</u>	

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address
2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 338841 CR: 328429  
 Repair Organization PO No.; Job No.; etc.
3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address
4. Identification of System: Class:3 FEED WATER SYSTEM 3050
5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-476	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt
- Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 338841 turnover package.  
Applicable Manufacturer's Data Reports to be attached

<b>CERTIFICATE OF COMPLIANCE</b>		
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.		
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u>Josh Sandh</u>	ISI ENGINEER	Date 5/14/2009
Owner or Owner's Designee, Title		
<b>CERTIFICATE OF INSERVICE INSPECTION</b>		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>5/14/2009</u> to <u>5/14/2009</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.		
By signing this certificate neither the Inspector or his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
<u>Nancy C Ritchie Shytkin</u> Inspector's Signature	Commissions	<u>NC 8447</u>
	National Board, State, Province, and Endorsements	
Date: <u>5/14/2009</u>		



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address

2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 337787 CR: 328429  
 Repair Organization PO No; Job No; etc.

3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address

4. Identification of System: Class: 3 FEED WATER SYSTEM 3050

5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-496	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 337787 turnover package.  
Applicable Manufacturer's Data Reports to be attached

<b>CERTIFICATE OF COMPLIANCE</b>		
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.		
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u>John Sande</u>	ISI ENGINEER	Date <u>5/14/2009</u>
	Owner or Owner's Designee, Title	
<b>CERTIFICATE OF INSERVICE INSPECTION</b>		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>5/14/2009</u> to <u>5/14/2009</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.		
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<u>Nancy C. Ritchel Slaughter</u> Inspector's Signature	Commissions	<u>NC 8447</u> National Board, State, Province, and Endorsements
Date: <u>5/14/2009</u>		

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address

2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 147938-1 CR: 328429  
 Repair Organization PO No; Job No; etc.

3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Authorization No.: N/A  
 Address Expiration Date: N/A

4. Identification of System: Class:3 FEED WATER SYSTEM 3050

5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-476	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 147938 turnover package.  
Applicable Manufacturer's Data Reports to be attached

<b>CERTIFICATE OF COMPLIANCE</b>		
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.		
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	
Signed <u>John L. Sande</u>	ISI ENGINEER	Date 5/14/2009
Owner or Owner's Designee, Title		
<b>CERTIFICATE OF INSERVICE INSPECTION</b>		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSBCT</u> of <u>HARTFORD, CONNECTICUT</u> have inspected the components described in this Owner's Report during the period <u>5/14/2009</u> to <u>5/14/2009</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.		
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<u>Nancy Christine Slaughter</u> Inspector's Signature	Commissions <u>NC 8447</u> National Board, State, Province, and Endorsements	
Date: <u>5/14/2009</u>		

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name  
411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address

2. Plant H.B.ROBINSON Unit: 2  
 Name  
3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 147936-1 CR: 328429  
 Repair Organization PO No; Job No; etc.

3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address

4. Identification of System: Class:3 FEED WATER SYSTEM 3050

5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-486	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 147936 turnover package.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *Josh Larrick* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 5/14/2009  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSBCT of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/14/2009 to 5/14/2009 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*Wm. C. Ritchie Slaughter* \_\_\_\_\_ Commissions NC 8447  
Inspector's Signature National Board, State, Province, and Endorsements

Date: 5/14/2009

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**

As Required by the Provisions of the ASME Code Section XI

1. Owner PROGRESS ENERGY CAROLINAS, INC Date: 5/14/2009  
 Name

411 FAYETTEVILLE ST., RALEIGH, NC 27602 Sheet: 1 of 2  
 Address

2. Plant H.B.ROBINSON Unit: 2  
 Name

3581 WEST Entrance RD; HARTSVILLE, SC 29550 EC#: N/A EE: N/A  
 Address WR/WO: 147937-1 CR: 328429  
 Repair Organization PO No; Job No; etc.

3. Work Performed by PROGRESS ENERGY CAROLINAS, INC Type Code Symbol Stamp: N/A  
 Name Authorization No.: N/A  
3581 WEST ENTRANCE RD; HARTSVILLE, SC 29550 Expiration Date: N/A  
 Address

4. Identification of System: Class: 3 FEED WATER SYSTEM 3050

5. (a) Applicable Construction Code: B 31.1 Edition: 1967 Addenda: N/A Code Case: N/A  
 Design Specification: CPL-HBR2-M-048

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition 1996 Addenda  
 Code Case: N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamp (Yes or No)
Flow Element	Ebasco	N/A	N/A	FE-496	1971	Corrected	N

7. Description of Work: Disassembled and rewelded flow element structure

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other [N/A] Pressure [N/A] psig Test Temp. [N/A] °F

9. Remarks: See WO 147937 turnover package.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ N/A \_\_\_\_\_

Signed *John Sande* \_\_\_\_\_ ISI ENGINEER \_\_\_\_\_ Date 5/14/2009

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSBCT of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period 5/14/2009 to 5/14/2009 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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*Nancy C. Ritchie Slaughter*  
Inspector's Signature

Commissions \_\_\_\_\_ NC 8447 \_\_\_\_\_  
National Board, State, Province, and Endorsements

Date: 5/14/2009