NBIC Task Group "NR" Rewrite
Monday, July 16, 2012
Columbus, Ohio

AGENDA

1. Call to Order

   The Chair, Mr. Paul Edwards will call the meeting to order at 8:30 A.M.

2. Introductions/Announcements

3. Review Membership/Charter – see **Attachment 1**

4. Review CC N-801-1, CC N-802 will be annulled – see **Attachment 2**

5. Review Survey Results from Current "NR" Certificate Holders

   Terry Parks to report.

6. Discuss Scope and "NR" QA Program Matrix – see **Attachment 3**

   Determine direction and course of action

7. Plan and Perform Work Assignments

8. Review Group Comments

9. Determine Deadline for Draft Completion

10. Next Meeting

    January 2013 – Mobile, AL

11. Adjournment

Attachment 1

Charter

Responsible for revising the "NR" Certificate of Authorization Program to incorporate requirements for Repair/Replacement activities to be performed prior to nuclear facility fuel loading, after fuel loading and address nuclear components constructed to ASME and standards other than ASME.

Membership	Email address	Company Affiliation
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NRC Rep Contact– Wally Norris	wallace.norris@nrc.gov	Nuclear Regulatory Commission

Responsibility

Reports to SC Repairs and Alterations for further consideration by the NBIC Committee.

Approval Date: ~~December 23, 2010~~ new approval date here

Code Cases will remain available for use until annulled by the applicable Standards Committee.

1 The term "N-Stamp" is intended to include the "Certification Mark and appropriate Certification mark designator"

N-801-1

Case ~~N-801~~

Rules for Repair of N-Stamped Class 1, 2, and 3 Components ~~by Organization Other Than the N Certificate Holder That Originally Stamped the Component Being Repaired~~

Section III, Division 1

Inquiry: For the period of time between component N-stamping and the Owner's filing of the N-3 Data Report, what rules may be used for repairs ~~performed by organizations other than the N Certificate Holder that originally stamped the component?~~ to N-Stamped Components? to N-Stamped Class 1, 2 or 3 components.

Reply: It is the opinion of the Committee that for the period of time between Component stamping and the Owner's filing of the N-3 Data Report, the following rules may be used for repairs ~~by organizations other than the N Certificate Holder that originally stamped the component.~~ of this case

An N Certificate Holder ~~other than the N Certificate Holder that originally stamped the component being repaired~~ may perform repairs to the component in accordance with Section III under the following conditions:

(b) ~~(a)~~ The N Certificate Holder performing the repair shall review the component Design Specification and Design Report, stress analysis, or applicable design rules to determine the required repair parameters. This review shall be documented and certified by a Registered Professional Engineer (RPE). If this review results in a need to revise the Design Specification or Design Report,[2] these documents shall be revised prior to completion of the Code Data Report described in this Case. When required, these revisions shall also be certified by an RPE. RPEs shall be qualified in accordance with the edition of Section III referenced in the Design Specification. Alternatively, the RPE may be qualified in accordance with Appendix XXIII of the 2007 or later Edition of Section III, Division 1. The revision of any design documents shall be reconciled with the Design Report.

(c) ~~(b)~~ The N Certificate Holder performing the repair shall complete the repair under the provisions of the Section III Edition and Addenda required by the Design Specification.

(d) ~~(c)~~ The N Certificate Holder performing the repair shall document the repair on Code Data Report form N-10 and attach or reference supporting documentation to describe the repair. The certification of Data Report N-10 indicates that the N Certificate Holder performing the repair assumes responsibility for Code compliance of the repair as described in the Data Report.

(e) ~~(d)~~ Unless otherwise stated herein, the component shall be subjected to pressure testing as required by NB-6000, NC-6000, ~~ND-6000~~ or ,as applicable, following the repair. Where the component has already been installed, the hydrostatic test pressure would exceed the ~~piping system~~ test pressure requirements of the piping system in which the component is installed, and the component cannot be isolated for testing, the repair shall be tested to the piping system pressure test requirements. The test pressure shall be documented on the Code Data Report completed by the N Certificate Holder performing the repair.

(a) ~~(e)~~ The scope of the Certificate of Authorization for the organization performing the repair shall include construction of the type and Code class of the component to be repaired. (including the Quality Assurance Manual)

(f) The N Certificate Holder's QA program shall describe the controls for performing repair of N-stamped components. These controls shall include the requirements for materials, fabrication, examination, inspection, testing, certification and documentation of the repairs.

(g) All of the requirements of the Design Specification and the Code Edition and Addenda applicable to the construction of the component shall be met except for pressure testing which may be performed as described in ~~(d)~~ (c).

2 The term *Design Report* shall be taken to mean Stress Report or Stress Analysis as appropriate to the edition of Section III for the component being repaired.

(h) The use of this Case shall be documented on the Code Data Report completed by the N Certificate Holder performing the repair. In addition, the Code Data Report completed by the N Certificate Holder performing the repair shall be attached to the Data Report of the N Certificate Holder who originally stamped the component.

,or referenced on

,or shall be referenced on an attachment to the original Data Report

(i) Stamping of the repaired component by the N Certificate Holder performing the repair shall not be required.

(j) The Authorized Nuclear Inspector shall review plans for repairs conducted under this Case and perform required in-process inspections and a final review of the completed repair prior to signing the Code Data Report.

FORM N-10 REPORT FOR REPAIRS TO STAMPED COMPONENTS*
As Required by the Provisions of Section III, Division 1, Code and Code Case ~~N-801~~ N-801-1

1. Owner ① Date ②
(Name)
(Address) Sheet ③ of
2. Plant ④ Unit ⑤
(Name)
(Address) ⑥
(Repair Organization P.O. No., Job No., etc.)
3. Work Performed by ⑦ N Symbol Stamp No. ⑧
(Address) Expiration Date ⑨
4. (a) Section III Edition/Addenda and Class of component being repaired ⑩
(b) Section III Cases used in construction of component being repaired ⑪
(c) Section III Edition/Addenda and Class used for repair ⑫
(d) Section III Cases used for repair ⑬
5. Identification of Components Repaired

Name of Component Repaired	Name of Manufacturer	Manufacturer's Serial Number	National Board Number	Other Information	Year Built
⑭	⑮	⑯	⑰	⑱	⑲

6. Description of Work: ⑳

7. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ System Leakage ☐ Exempt ☐ Other ☐ Test Pressure ㉑

Attach supplemental pages as required.

*Supplemental information in the form of lists, sketches, or drawings may be used, provided: (1) size is 8½ in. X 11 in.; (2) information in items 1 through 6 on this Data Report is included on each sheet; and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-10 (Back — Pg. 2 of 2)

8. Original Design Specification
   Certified by (22) P.E. State _____ Reg. No. _____
   Original Design Report
   Certified by (23) P.E. State _____ Reg. No. _____

9. Revised Design Specification
   Certified by (24) P.E. State _____ Reg. No. _____
   Revised Design Report
   Certified by (25) P.E. State _____ Reg. No. _____

10. Remarks (26)

Upon completion, this Data Report Form and all attachment sheets shall be attached to the original Data Report for the component receiving the described repair.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that this repair conforms to the requirements of Case ~~N-801~~ and the Case required provisions of ASME Section III, Division 1. Further, I certify that the repair described in this Data Report remains in compliance with the Design Specification and Design Report described above, or, if necessary, the Design Specification and Design Report have been revised in accordance with the requirements of ASME Section III, Division 1.

N-801-1

N-Type Symbol Stamp N (27)

Certificate Of Authorization No. (28) Expiration Date _____

Signed (29) Date _____
(Representative of Organization Performing Repair)

CERTIFICATE OF INSPECTION

I certify that the statements made in this report are correct and that this repair conforms to the requirements of Case ~~N-801~~ of ASME Section III, Division 1.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by (30) of (31), and state to the best of my knowledge and belief, the Certificate Holder has performed the repair on this component in accordance with Case ~~N-801~~ and the Case required provisions of the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date (32) Signed (33) Commission (34)
(ANI's Signature) (National Board Number and Endorsement)

TABLE N-10-1
GUIDE FOR COMPLETING FORM N-10

References to Circled Numbers in the Form	Description
(1)	The name and address of the Owner of the nuclear power plant.
(2)	The date this form was prepared.
(3)	Enter sheet number and total number of sheets comprising this Data Report package.
(4)	The name and address of the nuclear power plant where the work documented on this Data Report was performed.
(5)	The Owner's designated unit identification number.
(6)	A unique identification of the documentation authorizing the work (i.e., repair package no., work order no., NCR disposition work authorization no., etc.).
(7)	The name and address of the Certificate Holder performing the work (should be as indicated on the organization's Certificate of Authorization).
(8)	N-Symbol Stamp number (as indicated on the organization's Certificate of Authorization).
(9)	The expiration date of the Certificate of Authorization (as indicated on the organization's Certificate of Authorization).
(10)	The Code year and addenda applicable to the edition of Section III for the item receiving the work. Include Code Class of construction, as appropriate.
(11)	Record any Code Cases (including revision) used in the original construction of this item.
(12)	The Code year and addenda applicable to the repair of the item. Include Code Class of construction, as appropriate.
(13)	Record any Code Cases (including revision) used in the repair of this item.
(14)	The name of the item as described on the Data Report provided by the manufacturer who originally stamped the item.
(15)	Name of the manufacturer as described on the Data Report provided by the manufacturer who originally stamped the item.
(16)	The serial number of the item as described on the Data Report provided by the manufacturer who originally stamped the item.
(17)	National Board Number assigned to the item as described on the Data Report provided by the manufacturer who originally stamped the item.
(18)	Other appropriate identification (e.g., State or Province number, plant assigned designator) taken from drawings or other records.
(19)	Year the item was manufactured as described on the Data Report provided by the manufacturer who originally stamped the item.
(20)	A brief narrative of the work performed.
(21)	Indicate the appropriate pressure test performed following the repair. Include the test pressure.
(22)	Name, State of registration and registration number of the Registered Professional Engineer (RPE) who certified the original Design Specification.
(23)	Name, State of registration and registration number of the Registered Professional Engineer (RPE) who certified the original Design Report (or Stress Report or Stress Analysis as appropriate).
(24)	Name, State of registration and registration number of the Registered Professional Engineer (RPE) who certified the revised Design Specification, if applicable.
(25)	Name, State of registration and registration number of the Registered Professional Engineer (RPE) who certified the revised Design Report (or Stress Report or Stress Analysis as appropriate), if applicable.
(26)	Additional information necessary to describe the work performed. Describe any change from the original construction requirements.
(27)	Information pre-entered since only N Certificate Holders are allowed to perform this work.
(28)	Enter the N-Symbol Stamp number and expiration date of the organization performing the work.
(29)	Signature and title of the individual representing the organization performing the work and that is certifying the accuracy of the contents of the Data Report and its attachments. Include date of signature.
(30)	The name of the Inspector's employer, the Authorized Inspection Agency.
(31)	The address of the Authorized Inspection Agency (City/Town and State or Province).
(32)	The date (month, day, year) that the Authorized Nuclear Inspector signed the Data Report.
(33)	The Authorized Nuclear Inspector's signature.
(34)	The Inspector's National Board commission number and endorsement must be shown.

NB-1201

1.8 "NR" ACCREDITATION REQUIREMENTS

1.8.1 SCOPE

a) This section provides requirements that must be met for an organization to obtain a National Board *Certificate of Authorization* to use the "NR" Symbol Stamp for Repair/Replacement activities to nuclear items constructed in accordance with the requirements of the ASME Code or other recognized codes or standards.

b) For administrative requirements to obtain or renew a National Board "NR" *Certificate of Authorization* and the "NR" Symbol Stamp, refer to Procedure NB _____.

1.8.2 GENERAL

a) An organization applying for an "NR" *Certificate of Authorization* shall have a written Quality Assurance Program that details the specific requirements to be met based on the intended category of activities selected by that organization as shown in Table 1.8.2-1. Additional requirements are established by Section 1.8.5 of this Part. Each applicant shall address these additional requirements in their Quality Assurance Program based on the category of activity to which certification is requested.

b) Category 1

Any ASME Code certified item or system requiring repair/replacement activities regardless of physical location and installation is prior to fuel loading.

c) Category 2

Any ASME Code certified item or system requiring repair/replacement activities installed in a nuclear facility after fuel loading.

d) Category 3

Items constructed to codes or standards other than ASME, requiring repair/replacement activities regardless of physical location and irrespective of fuel loading.

TABLE 1.8.2-1		
Category of Activity	NR Quality Assurance Program Requirements	
	Owner	Organizations other than Owner
Category 1 ASME Code stamped items and systems requiring repair/replacement activities prior to fuel loading	ASME Section III NCA-4000	ASME Section III NCA-4000
Category 2 ASME Code Stamped Items and Systems requiring repair/replacement activities per ASME Section XI	Either • ASME Sec XI, IWA-1400 • 10 CFR 50, Appx. B • ASME NQA-1, Part 1 OR • ASME Sec XI, IWA-4142.1(a)	Either • ASME Sec XI, IWA-4142(a)(2) • 10 CFR 50, App. B supplemented as needed with Owners QA program OR • ASME Sec III, NCA-4000
Category 3 Items constructed to standards other than ASME, requiring repair/replacement activities	ASME NQA-1, Latest Edition OR Specify the Standard to which certification is desired	ASME NQA-1, Latest Edition OR Specify the Standard to which certification is desired