

GUIDE FOR COMPLETING NATIONAL BOARD FORM NR-1, REPORT

This guide is to be used when completing the National Board Form NR-1, Report of Repair/Replacement Activities for Nuclear Facilities.

Title Block: Check Category of Activity: 1, 2, or 3

Check type of activity, repair, replacement, alteration/modification, and/or re-rating, as applicable.

1. Name and address of the organization, as shown on the National Board "NR" Certificate of Authorization, which performed the activity.
2. Indicate "NR" Form Registration Number.
3. Indicate the purchase order number, job number, etc., as applicable, assigned by the organization that performed the work.
4. Name and address of the owner of the nuclear power plant.
5. Name and address of the nuclear power plant and, if applicable, identification of the unit.
6. Identify the system (e.g., residual heat removal, reactor coolant) with which the repair, replacement, alteration/modification, or rerating activity is associated.
7. ASME Code Section XI or Section III, as applicable to the repairs, alterations/modification, replacement or rerating activity performed.
8. Name of the organization, as shown on the Certificate of Authorization, which performed the design activity including:
 - a. Original Design Specification Number and Revision Number.
 - b. Original Design Report Number and Revision Number.
 - c. Revised Design Specification Number and Revision Number.
 - d. Revised Design Report Number and Revision Number.
 - e. Design Reconciliation Number and Revision Number.
 - f. Applicable Code Edition and Addenda Date(s).
9. Check the type of test conducted (e.g., hydrostatic, pneumatic, system leakage, exempt, or other) and indicated the pressure applied when applicable.
10. Sequential number assigned to each item reported.
11. Indicate the type of component (e.g., vessel, line valve, pump, piping system).
12. Manufacturer's name of the affected item.
13. Manufacturer's serial number.
14. National Board number, if applicable, of the affected item.
15. Indicate Jurisdictional number, if applicable, of the affected item.
16. Indicate plant tag or identification number, if applicable, of the affected item.
17. Year the affected item was manufactured.
18. Identify the name, section, and division of the original construction code for the affected item.
19. Identify the edition, addenda, and as applicable, code cases, and class of the original construction code for the affected item.
20. Indicate the activity performed on this item (e.g., repair, alteration or modification).

21. Manufacturer's name of this replacement item.
22. Manufacturer's serial number of this replacement item.
23. National Board number, if applicable, of this replacement item.
24. Indicate plant tag or identification number, if applicable, of this replacement item.
25. Year this replacement item was manufactured.
26. Identify the name, section, and division of the original construction code for this replacement item.
27. Identify the edition, addenda, and as applicable, code cases and class of the original construction code for this replacement item.
28. Provide a detailed summary describing the scope of work completed. Information to be considered should include type of work (e.g. welding, brazing, fusing), location, steps taken for removal or acceptance of defects, examinations, testing, heat treat, and other special processes or methods utilized. If necessary, attach additional data, sketch, drawing, Form R-4, etc. If additional data is attached, so state in the "remarks" section.
29. Indicate any additional information pertaining to the work.
30. Type or print name of authorized representative from the certificate holder.
31. Indicate ASME Section III or Section XI as applicable to the repair, replacement, alteration/modification, and/or rerating activity performed.
32. Indicate National Board Certificate of Authorization number.
33. Indicate month, day, and year the certificate expires.
34. Name of the organization that performed the identified work, using the full name as shown on the Certificate of Authorization, or an abbreviation acceptable to the National Board.
35. Indicate month, day and year of signature by the Authorized Representative.
36. Signature of authorized representative from the certificate holder defined in item 30 above.
37. Title of authorized representative as defined in the Quality Program.
38. Type or print name of Authorized Nuclear Inspector.
39. Indicate the Jurisdiction where the activity is performed, when required.
40. Indicate Authorized Nuclear Inspector's employer.
41. Indicate address of Authorized Nuclear Inspector's employer (city and state or province).
42. Indicate month, day, and year of inspection by the Authorized Nuclear Inspector.
43. Indicate month, day, and year of signature by the Authorized Nuclear Inspector.
44. Signature of Authorized Nuclear Inspector defined in item 38 above.
45. National Board Commission number and required endorsements.

FORM NR-1, REPORT OF REPAIR/REPLACEMENT ACTIVITIES FOR NUCLEAR FACILITIES

CATEGORY OF ACTIVITY: 1 2 3

REPAIR REPLACEMENT RERATING ALTERATION/MODIFICATION

②
 (form "NR" registration no.)
 ③
 (P.O. no., job no., etc.)

1. WORK PERFORMED BY: ① _____
 (name of "NR" certificate holder)

 (address)

2. OWNER: ④ _____
 (name)

 (address)

3. NAME, ADDRESS, AND IDENTIFICATION OF NUCLEAR POWER PLANT: ⑤ _____
 (name)

 (address)

 (identification)

4. SYSTEM: ⑥ _____

5. ASME CODE SECTION XI OR III USED FOR REPAIRS, ALTERATIONS/MODIFICATION, REPLACEMENT OR RERATING ACTIVITY ACCEPTANCE:

⑦ _____

6. DESIGN RESPONSIBILITY: ⑧ _____
 Original Design Specification No./Rev.: ⑧a _____ Original Design Report No./Rev.: ⑧a _____
 Revised Design Specification No./Rev.: ⑧a _____ Revised Design Report No./Rev.: ⑧a _____
 Design Reconciliation No./Rev.: ⑧a _____ Code ED/AD: ⑧a _____

7. TESTS CONDUCTED: hydrostatic pneumatic system leakage pressure _____ psi (MPa)
 ⑨ exempt other _____

8a. REPAIR/ALTERATION/MODIFICATION ACTIVITIES

Identification								Construction Code				
No.	Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd No.	Juris. No.	Other	Year Built	Name/Section/Division	Edition/Addenda	Code Case(s)	Code Class	R/A/M
⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑱	⑱	⑱	⑳

(form "NR" registration no.)

(P.O. no., job no., etc.)

CERTIFICATE OF COMPLIANCE

I, (30) , certify that to the best of my knowledge and belief the statements made in this report are correct and the repair /replacement activities described above conform to (31) and the *National Board Inspection Code "NR"* rules.

National Board *Certificate of Authorization* No. (32) to use the "NR" stamp expires (33)
"NR" Certificate Holder (34)
(name)

Date (35) Signed (36) (37)
(authorized representative) (title)

CERTIFICATE OF INSPECTION

I, (38) , holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of (39) and employed by (40) of (41) have inspected the repair, alteration /modification, replacement, and/or rerating activities described in this report on (42) and state that to the best of my knowledge and belief, these activities have been completed in accordance with the Codes specified and the *National Board Inspection Code "NR"* rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this inspection.

Date (43) Signed (44) (45)
(inspector) (National Board and endorsement)