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## BOILERS AND PRESSURE VESSELS REPAIR AND ALTERATION REPORT

B.C. ID #: \_\_\_\_\_

OWNER EQUIP. #: \_\_\_\_\_

REPAIR  and/or ALTERATION  Partial  Final

1. Name and Address of Organization doing Repair/Alteration \_\_\_\_\_

BCSA License No. & Expiry Date \_\_\_\_\_

Location of Installation \_\_\_\_\_

2. Name of Owner \_\_\_\_\_

Address \_\_\_\_\_

3. Boiler/Pressure Vessel Description \_\_\_\_\_ CRN \_\_\_\_\_

Manufacturer's Name \_\_\_\_\_ Serial No. \_\_\_\_\_

4. Design Conditions:

a) Vessel/Shellside/Boiler: Max Allowable Working Press. \_\_\_\_\_ PSI Min/Max Design Temp \_\_\_\_/\_\_\_\_°F

b) Jacket/Tubeside: Max Allowable Working Press. \_\_\_\_\_ PSI Min/Max Design Temp \_\_\_\_/\_\_\_\_°F

5. Description of Defects: (Location and types of deterioration that resulted in the repair/alteration): \_\_\_\_\_

\_\_\_\_\_

6. ASME Code Edition and Addenda used for work: ASME Sect. \_\_\_\_\_ Year \_\_\_\_\_ Addenda \_\_\_\_\_

7. Repair/Alteration Description of Work. (Step by step description of repair/alteration method. Attach additional sheets as needed).

**Note 1:** Repair/Alteration Procedure to be accepted by BCSA Boiler Safety Officer prior to start of work.

\_\_\_\_\_

\_\_\_\_\_

8. Material – List any material used in repair/alteration and any base material welded on:

Item	Material Specifications	Thick/Sch	Diameter	Item	Material Specifications	Thick/Sch	Diameter
Shell/Drum				Heads/Ends			
Tubesheet				Tubes			
Nozzles				Flanges/Fitting		Class	

9. Welding Procedure – British Columbia Registration Number WP-\_\_\_\_\_ WPS Numbers used: \_\_\_\_\_

10. Heat Treatment: Bake Out (Temp./Time) \_\_\_\_/\_\_\_\_hr Preheat Temp. \_\_\_\_\_ Post Weld HT (Temp./Time) \_\_\_\_/\_\_\_\_

11. Non Destructive Examination (Specify type and extent).

\_\_\_\_\_

12. Pressure Test      Vessel/Boiler/Shellside      Tubeside/Jacket
- a) Hydrostatic \_\_\_\_\_ PSI      \_\_\_\_\_ PSI
- b) Other Test \_\_\_\_\_

13. Welded Replacement Parts: Attached are Manufacturer's Partial Data Reports or Repair/Alteration Reports properly identified and signed by Authorized Inspectors for the following items of this report: (Welded parts supplied by others).

\_\_\_\_\_

\_\_\_\_\_

14. Responsibility Owner/Client. Identify below items that the owner/client has assumed responsibility for Note (2)
- a) Design Submission \_\_\_\_\_      b) Repair/Alteration Procedure: \_\_\_\_\_      c) Material Control \_\_\_\_\_
- d) Welding Control \_\_\_\_\_      e) NDE \_\_\_\_\_      f) Heat Treatment \_\_\_\_\_      g) Pressure Test \_\_\_\_\_

**Note 2:** Owner/Client must have a valid B.C. Contractors License for the Scope of Work to assume responsibility for function c, d, e, f, or g.

15. REMARKS: \_\_\_\_\_

\_\_\_\_\_

16. **CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this Report are correct and that all design, material, construction and workmanship on this repair/alteration conform to the requirements of the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation:

- |   |                                     |
|---|-------------------------------------|
| a) For all items except for items identified in 14: | b) For items identified in 14 only: |
| _____   | _____                               |
| Repair/Alteration Organization Name                 | Owner/Client Organization Name      |
| _____   | _____                               |
| B.C. License Number and Expiry Date                 | B.C. License Number and Expiry Date |
| _____   | _____                               |
| Signature and Date                                  | Signature and Date                  |
| _____   | _____                               |
| Print Name  | Print Name                          |

17. DATE WORK WAS COMPLETED: \_\_\_\_\_

18. **CERTIFICATE OF INSPECTION**

- a) I have inspected the repairs and/or alterations described in this report. To the best of my knowledge this work has been done in accordance with the Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation.
- b) BCSA Boiler Safety Officer (when work is inspected by BCSA)

\_\_\_\_\_

BCSA Boiler Safety Officer Signature and Date

\_\_\_\_\_

Print Name

Report Received by BCSA Boiler Safety Officer \_\_\_\_\_ Date \_\_\_\_\_