

**FORM H-2 MANUFACTURERS' DATA REPORT FOR ALL TYPES OF BOILERS 5 \$(+)&**  
**EXCEPT WATERTUBE AND THOSE MADE OF CAST IRON**  
**As Required by the Provisions of the ASME Code Rules, Section IV**

1. Manufactured and certified by: CLEAVER BROOKS 221 LAW STREET THOMASVILLE, GA 31792  
(name and address of manufacturer)

2. Manufactured for: FOX CREEK PROJECT DELTA, BC. CANADA  
(name and address of purchaser)

3. Location of installation: STOCK  
(name and address)

4. Unit identification: SCOTCH T4583-1-1 U7388.21 270-03378 19013 2014  
(complete boiler, superheater, waterwall, economizer, etc.) (Manufacturer's serial no.) (CRN) (drawing no.) (National Bd. no.) (year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design conforms to ASME Code, Section IV, 2013  
(year) [addenda (as applicable)(date)] (Code Case no.)

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: -

(name of part, item number, mfr's. name and identifying stamp)

6. Shells or drums: 1 SA516G70 .3125" 60" 137" - -  
(no.) (material spec., gr.) (thickness) (inside diameter) [length (overall)] (inside diameter) [length (overall)]

7. Joints: WELDED 85% WELDED 2  
[long. (seamless, welded)] [eff. (as compared to seamless)] [girth (seamless, welded)] (no. of shell courses)

8. Tubesheet: SA516G70 .625" Tube holes: 98 2.525"  
(material spec., grade) (thickness) (number & diameter.)

9. Tubes: No. SA178A STRAIGHT Diameter 2.5" Length 139" Gauge .095"  
(material spec., grade) (straight or bent) (if various, give max. & min.) (or thickness)

10. Heads: N/A La  
(material spec., grade) (thickness) (flat, dished, ellipsoidal) (radius of dish)

11. Furnace: SA53B .375" 1 24" OD - 138" PLAIN Seams: WELDED  
(material spec., grade) (thickness) (no.) [size (O.D. or W x H)] [length (each section)] (total) [type (plain, corrugated, etc.)] [type (seamless, welded)]

12. Staybolts: N/A  
(no.) [size (diameter)] (material spec., grade) (size) (telltale) (net area) [pitch (horizontal and vertical)] (MAWP)

13. Stays or braces: N/A

Location	Material Spec.	Type	Number & Size	Pitch	Total Net Area	Fig. HG 343 L/I	Dist. Tubes to Shell	MAWP,
(a) F.H. above tubes								
(b) R.H. above tubes								
(c) F.H. below tubes								
(d) R.H. below tubes								
(e) Through stays								

14. Other parts: 1. N/A 2. N/A 3. N/A  
(brief description, i.e., dome, boiler piping, etc.)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

(material spec., grade, size, material thickness, MAWP)

15. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No	Diameter or Size	Type	How Attached	Material	Nominal Thickness	Reinforcement Material	Location
Handhole up to 3" x 4"	6	3.25" X 4.5"	OVAl	-				SHELL
Manhole	1	12" X 16"	RING	WELDED	SA106C	1"	INHERENT	SHELL
STEAM	1	8"	FLANGE	WELDED	SA105	150#	INHERENT	SHELL
FEEDWATER	1	1.5"	THREAD	WELDED	SA105	3000#	INHERENT	SHELL
SAFETY	1	3"	THREAD	WELDED	SA105	3000#	INHERENT	SHELL
BLOWDOWN	2	1.5"	THREAD	WELDED	SA105	3000#	INHERENT	SHELL

16. Boiler supports: 4 SADDLES WELDED **A0647152**  
(no.) (Type (saddles, legs, lugs)) (attachment (bolted or welded))

17. MAWP: 30 WATER Based on HG-312 Heating surface 750 SQ. FT. Shop hydro. test 60 PSI  
(Code par. and/or formula) (total) (complete boiler)

18. Maximum water temperature 250 F

19. Remarks: -

**CERTIFICATE OF SHOP COMPLIANCE**

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. 10,888 expires 11-21, 2014

Date 11-14-14 Signed [Signature] Name CLEAVER BROOKS  
(by representative) (manufacturer that constructed and certified boiler)

**CERTIFICATE OF SHOP INSPECTION**

Boiler constructed by CLEAVER BROOKS at THOMASVILLE, GA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB GLOBAL STANDARDS

         have inspected parts of this boiler referred to as data items 6-9,11,15-18

and have examined Manufacturers' Partial Data Reports for items NONE

and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's 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 11-14-14 Signed [Signature] Commissions NB9412 "A" GA00113  
(Authorized Inspector) (National Board commission number and endorsement)

**CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE**

We certify that the field assembly construction of all parts of this boiler conforms with the requirements of SECTION IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. \_\_\_\_\_ expires \_\_\_\_\_, \_\_\_\_\_.

Date \_\_\_\_\_ Signed \_\_\_\_\_ Name \_\_\_\_\_  
(by representative) (assembler that certified and constructed field assembly)

**CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by \_\_\_\_\_

         have compared the statements in this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items \_\_\_\_\_, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of \_\_\_\_\_.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturers 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 \_\_\_\_\_ Signed \_\_\_\_\_ Commissions \_\_\_\_\_  
(Authorized Inspector) (National Board commission number and endorsement)