794901

FORM H-2 MANUFACTURER'S DATA REPORT FOR ALL TYPES OF BOILERS 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 Burnham Commercial 1237 Harrisburg Pike, Lancaster Pa. 17603
(name and address of manufacturer)

2. Manufactured for Advanced Fabrication SVCS PO Box 170 Lemoyne, PA. 17043
(name and address of purchaser)

3. Location of installation Interstate Hardwoods State RTES 92 & 250 Barton, WV 24920
(name and address)

4. Unit identification: Firebox 4NL-2645 (complete boiler, superheater, waterwall, econimizer, etc.) | 72800 (mfr's. serial no.) | (CRN) | 3-804-5 (drawing no.) | 28774 (Nat'l. Bd. no.) | 2004 (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, construction and workmanship comform to ASME Code, Section IV, 2001 (year) 2003 (addenda (date)) ---- (Code Case no.).

Manufacturer's Partial Data Reports property 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 (no.) | SA-36 (mat'l. spec., gr.) | .375 (thickness (in.)) | 77.25 (dia. (I.D.)) | 162.125 (length (overall)) | (dia. (I.D.)) | (length (overall))

7. Joints: Seamless (long. (seamless, welded)) | 100% (eff. (as compared to seamless)) | Seamless (girth (seamless, welded)) | One (no. of shell courses)

8. Tubesheet: SA-36 (mat'l. spec., grade) | 0.4375 (thickness) Tube holes: 255 Front T S, 113 Rear T S, 3.031 Dia. (no. & dia.)

9. Tubes: No. SA-178A (mat'l. spec., grade) | Straight (straight or bent) Dia. 3" OD (if various, give max. & min.) Length 140.50", 163.5" Gauge 0.105" (or thickness)

10. Heads: SA-36 (mat'l. specification no.) | 0.4375 (thickness) | Flat (flat, dished, ellipsoidal) | (radius of dish)

11. Furnace: SA-36 (mat'l. spec., gr.) | 0.4375 (thickness) | 1 (no.) | 72.75 x 66.375 x 64 (size (O.D. or WxH)) | 70" (length (each section)) | 134 (total) | Plain (type (plain, corrugated, etc.)) Seams: welded (type (seamless, welded))

12. Staybolts: 202 (no.) | 0.875" (size (dia.)) | SA-36 (mat'l. spec., gr.) | 4.0 x 79.0 (size) | No (telltale) | 0.60132 (net area) | 11.75 x 11.5625 (pitch (hor. and vert.)) | 46 (MAWP (psi))

13. Stays or braces:

Location	Mat'l. Spec.	Type	No. & Size	Pitch	Total Net Area	Fig. HG 343 L/1	Dist. Tubes to Shell	Area to be Stayed	MAWP psi.
(a) F.H. above tubes	SA-36	Straight	4-1.125	13.0					68
(b) R.H. above tubes	SA-36	Straight	4-1.125	13.0					68
(c) F.H. below tubes	SA-36	Straight	28-0.875	11.75 x 11.812					50
(d) R.H. below tubes	SA-36	Straight	38-0.875	11.5 x 11.5					52
(e) Through stays									

14. Other parts 1. Combustion Chamber Sides/Rear 2. Combustion Chamber Rear/Top 3. Intermediate Tube Sheet
(brief description - i.e. dome, boiler piping, etc.)

1. SA-36 19.375 x 90.25 0.375 30 psi
2. SA-36 72 x 103.25 0.375 30 psi
3. SA-36 72 x 46.625 1.00 30 psi
4. Mud Ring Ends SA-36 6 x 71.25 0.750 0.750 30 psi
5. Mud Ring Sides SA-36 4.0 x 164.25 0.750 30 psi
6. Front Inside Head SA-36 66 x 72.75 0.375 30 psi

15. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Dia. or Size	Type	How Attached	Mat'l	Nom. Thickness	Reinforcement Mat'l.	Location
Handhole up to 3"X 4"	7	3 x 4	Elliptical		NA		NA	Front, Rear, Sides
Washout	1	2"	Coupling	Welded	SA-53	0.188		Rear
Surf Blow Off	1	1.5	Coupling	Welded	SA-53	0.150		R Side
Outlet	1	12	Pipe	Welded	SA-53B	0.406		Top
Inlet	1	6	Pipe	Welded	SA-53B	0.280		Rear, Bottom
Safety Valve	4	3	Coupling	Welded	SA-53	0.250		Top

16. Boiler supports: Six (no.) Brakets (type (saddles, legs, lugs)) Welded (attachment (bolted or welded))

17. MAWP: 30 (psi) Based on HG-340 (Code par. and/or formula) Heating surface 2645 sq ft (sq. ft. or kW (total)) Shop hydro. test 60 ((psi (complete boiler))

18. Maximum water temperature 250 °F

19. Remarks: This report does not cover (or include) any external piping or fittings.

The maximum allowable working pressure is 15 PSI steam.

14. Other parts: (cont.)

7. Access Collar SA-53B 16 OD x 7.75 0.250 30 psi

8. (2) Fire door collar SA36 13.125 x 19.125 x 7.5 0.3125 SA36

15. Nozzles, inspection and safety valve openings: (cont.)

Manhole	1	12 x 16	Elliptical	Welded	SA-106C	1.0	Top
Oil Heater	1	2.5	Coupling	Welded	SA-53	0.188	R. Side

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. 618 expires May 31, 2005.

Date 10-27-04 Signed Roger R Poren (by representative) Name Burnham Commercial (manufacturer that constructed and certified boiler)

CERTIFICATE OF SHOP INSPECTION

Boiler constructed by Burnham Commercial at 1237 Harrisburg Pike, Lancaster, PA 17603.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the state or province of Pennsylvania and employed by HSB CT have inspected parts of this boiler referred to as data items 6 thru 18 and have examined Manufacturers' Partial Data Reports for items

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 his 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 10/20/04 Signed (Authorized Inspector) Commissions NB8155(A) PA2219 (Nat'l. Bd. (incl. endorsements), state, prov. and no.)

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 (by representative) Name (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 the state or province of and employed by have compared the statements in this Manufacturers' 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 psi.

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 (Authorized Inspector) Commissions (Nat'l. Bd .(incl. endorsements) state, prov. and no.)