

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
 (Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Manufactured by HENDERS BOILER & TANK CO. - 1340 CHANNEL AVENUE - MEMPHIS, TN.
 Manufactured for FOSTER WHEELER CORP. - 110 SO. ORANGE AVE. - LIVINGSTON, N. J.
 Location of Installation PHILADELPHIA GAS WORKS - 60MM SCF/D SNG PLANT, PHILADELPHIA,
 4. Type VERT. 7166 - D-7166 1811 (Year Built) 1977
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.)

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 conform to ASME Rules, Section VIII, Division 1 1974 and Addenda to WINTER '76 and Code Case Nos. _____
(Year) (Date)

Special Service per UG-120(d) _____
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____
(Name of part, item number, Mfr's name and identifying stamp)

6. Shell: Matl. SA106 GRB (Spec. No., Grade) Nom. Thk. 3/8 in. Corr. Allow. 1/8 in. Diam. 2 ft. 0 in. Length 6 ft. 0 in.
 7. Seams: Long. SEAMLESS (Welded, Dbl., Sngl., Lap, Butt) R.T. - (Spot or Full) Efficiency 100 % H.T. Temp. - F Time - hr.
 Girth (1) WSB; (1) WDB (Welded, Dbl., Sngl., Lap, Butt) R.T. SPOT (Spot, Partial, or Full) No. of Courses 1
 8. Heads: (a) Material SA285-C-PVQ (Spec. No., Grade) (b) Material SA285-C-PVQ (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
TOP	3/8	1/8			2:1				CONCAVE
BOTTOM	3/8	1/8			2:1				CONCAVE

If removable, bolts used (describe other fastenings) _____
(Material, Spec. No., Gr., Size, No.)

9. Constructed for max. allowable working pressure 165 psi at max. temp. 150° F. Min. temp. (when less than -20 F) - F. Hydrostatic, ~~pressure~~ test pressure 247.5 psi.
 10. Safety Valve Outlets: Number 1 Size 1-1/2 Location TOP HEAD

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
	2;1	6;4	RFSO	SA53B	SCH. 80	-	WELDED	SHELL
	1	4	RFSO	SA53B	SCH. 80	-	WELDED	HEAD
	1	2	LWN	SA105	150#	-	WELDED	HEAD
	1;3	1;3/4	CPLG.	SA105	6000#	-	WELDED	SHELL

12. Supports: Skirt NO (Yes or no) Legs 3 (No.) Other - (Describe) Attached SHELL; WELDED (Where and how)

13. Remarks: ITEM D-217 (2-098-28) ; F.W. CONTRACT 15-1779; F.W.REQN. NO. 1776-1 AE; F.W.P.O.NO. PP40-115-1776; P.G.W. NO. 12-F-286; 801228-36790-1B

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date 9-9-77 Signed HENDERS BOILER & TANK CO. by Chester Couch (Manufacturer) CHESTER COUCH (Inspector)

"U" Certificate of Authorization No. 2379 expires JANUARY 15, 19 80

CERTIFICATE OF SHOP INSPECTION

Vessel made by HENDERS BOILER & TANK COMPANY at MEMPHIS, TENNESSEE

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NATL. BOARD and employed by COMM. UNION have inspected the pressure vessel described in this Manufacturers' Data Report on 10-19, 1977, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the pressure vessel described in the 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.

Signed [Signature] Date 10-19-77 Commissions 1'B7076
(Inspector) (Nat'l. Board, State, Province and No.)