

**FORM U-1A 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

1. Manufactured by HENDERS BOILER & TANK CO. - 1340 CHANNEL - MEMPHIS, TN. 38113  
 2. Manufactured for FOSTER WHEELER CORP. - 110 SO. ORANGE AVE. - LIVINGSTON, N. J.  
 3. Location of Installation PHILADELPHIA GAS WORKS, 60 MM SCF/D SNG. PLANT - PHILADELPHIA  
 4. Type HORIZ. 7141 - D-7141 1809 (Year Built) 1977  
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Brd. 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 1977 and Addenda to SUMMER '77 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. SA-516-GR 70 Nom. Thk. 5/8 in. Corr. Allow. 1/8 in. Diam. 6 ft. 6 in. Length 26 ft. 0 in.  
(Spec. No., Grade)  
 7. Seams: Long. WDB R.T. SPOT Efficiency 85 % H.T. Temp. - F Time - hr.  
(Welded, Dbl., Sngl., Lap, Butt) (Spot or Full)  
 Girth WDB R.T. SPOT No. of Courses 3  
(Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)  
 8. Heads: (a) Material SA-516-GR 70 (b) Material -  
(Spec. No., Grade) (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)
ENDS	5/8	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 180 psi at max. temp. 200° F. Min. temp. (when less than -20 F) - F. Hydrostatic, ~~pressure~~ test pressure 270 psi.

10. Safety Valve Outlets: Number 1 Size 4 Location SHELL

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
	1	18	RFSO	SA516-70	PVQ .500	SA285C-PVQ	WELDED	SHELL
	1;1	8;6	RFSO	SA53B	SCH.80	SA285C-PVQ	WELDED	SHELL
	1	4	RFSO	SA53B	SCH.120	SA285C-PVQ	WELDED	SHELL
	2	2	LWN	SA105	150#	NONE	WELDED	SHELL
	2	1-1/2	LWN	SA105	300#	NONE	WELDED	SHELL
	4;3;1	1-1/2;1;3/4	CPLG	SA105	6000#	NONE	WELDED	SHELL

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

13. Remarks: ITEM D-103(2-098-18); F.W.CONTRACT 15-1779; F.W.REQN.NO. 1776-113-K  
F.W.P.O.NO. PP-17-115-1776; PGW NO. 12-F-224; 801228-36790-1D

**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 11-29-77 Signed HENDERS BOILER & TANK CO. by Chester Couch  
(Manufacturer) (Representative)

"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 2-1, 1978, 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 John Zawadzki Date 2-1-78 Commissions NB7076  
(Inspector) (Nat'l Board, State, Province and No.)