

**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 AVE. MEMPHIS, TN 38  
 2. Manufactured for FOSTER WHEELER CORP., 110 S. ORANGE AVE., LIVINGSTON, N.J. US  
 3. Location of Installation PHILADELPHIA GAS WORKS, 60 MM SCF/D SNG PLANT, PHILADELPH  
 4. Type VERT 7140 --- D-7140 1808 (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. SA516-70 PVQ Norm. Thk. 3/4 in. Corr. Allow. 1/8 in. Diam. 4 ft. 6 in. Length 8 ft. 7 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 1  
(Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)

8. Heads: (a) Material SA516-70-PVQ (b) Material SA516-70-PVQ  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
TOP	3/4	1/8			2:1				CONVEX OR CON
BOTTOM	3/4	1/8			2:1				CONVEX OR CON

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

9. Constructed for max. allowable working pressure F.V. 8330 psi at max. temp. 160 DEG. F. Min. temp. (when less than -20 F) ----- F. Hydrostatic, pneumatic, or combination test pressure 495 psi.  
 10. Safety Valve Outlets: Number --- Size --- Location ---

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
	2	12	RFSO	SA53B	SCH. 60	SA285-C	WELDED	(1)SH.(1)
	1	20	RFSO	SA285-C	1/2	SA285-C	WELDED	SHELL
	2	1-1/2	LWN	SA105	300#	NONE	WELDED	SHELL
	1	1	LWN	SA105	300#	NONE	WELDED	HEAD
	2;2	1; 3/4	CPLG.	SA105	6000#	NONE	WELDED	SHELL

12. Supports: Skirt NO Lugs --- Legs 4 Other --- Attached SHELL, WELDED  
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: ITEM D-205(2-098-05); F.W. CONTRACT 15-1779; F.W. REQ. NO. 1776-113; F.W. P.O. NO. PP-17-115-1776; P.G.W. NO. 12-F-274; 801228-36790-1C

**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 10/13/77 Signed HENDERS BOILER & TANK CO. by Chester Cough  
(Manufacturer) (Representative)

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

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by HENDERS BOILER & TANK CO. at MEMPHIS, TN

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NAT. BOARD and employed by COMM. UNION have inspected the pressure vessel described in this Manufacturers' Data Report on 12-2, 19 77, 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 12-2-77 Commissions NB 7076  
(Inspector) (Nat'l Board, State, Province and No.)