

**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 The Stacey Manufacturing Company, Cincinnati, Ohio 45216  
 2. Manufactured for Foster Wheeler Energy Corp. Livingston, N.J. 07039  
 3. Location of Installation Philadelphia Gas Works, Philadelphia, Pa.  
 4. Type Vertical (Horiz. or vert. tank) (Mfg'r's Serial No.) 4247 (CRN) 0-131-A43 (Drawing No.) 1318 (Nat'l Brd No.) (Year Built) 1978

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 12-31-76 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: \_\_\_\_\_

6. Shell: Matl. SA-285-Gr. C (Spec. No., Grade) Nom. Thk. \*\* in. Allow. 1/8 in. Diam. 4'-6" (Top) 8'-0" (Bottom) in. Lgth. 38 ft 7 1/2 in.

7. Seams: Long. Weld Dbl. Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr  
 Girth Weld Dbl. Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Spot (Spot, Partial, or Full) No. of Courses 5

8. Heads: (a) Material SA-285-Gr. C (Spec. No., Grade) (b) Material SA-285-Gr. C (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)
(a) <u>Top</u>	<u>3/8"</u>	<u>1/8"</u>			<u>2:1</u>				<u>Concave</u>
(b) <u>Bottom</u>	<u>9/16"</u>	<u>"</u>			<u>"</u>				<u>"</u>

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

9. Constructed for max. allowable working pressure 93 psi at max. temp. 150 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 140 psi.

10. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. Nozzles and Inspection Openings: "Also See Remarks"

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
<u>Manway</u>	<u>2</u>	<u>20"</u>	<u>150#S.O.</u>	<u>SA-181-1</u>	<u>9/16"</u>	<u>A-285-C</u>	<u>Welded</u>	<u>Side</u>
<u>Outlet</u>	<u>1</u>	<u>8"</u>	<u>"</u>	<u>SA-106-B</u>	<u>Sch. 160</u>	<u>-----</u>	<u>"</u>	<u>"</u>
<u>Inlet</u>	<u>1</u>	<u>6"</u>	<u>"</u>	<u>"</u>	<u>Ex. Str.</u>	<u>-----</u>	<u>"</u>	<u>"</u>
<u>PSV</u>	<u>1</u>	<u>4"</u>	<u>"</u>	<u>"</u>	<u>Sch. 160</u>	<u>-----</u>	<u>"</u>	<u>Top</u>
<u>Drain &amp; Inlet</u>	<u>lea. 3"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>-----</u>	<u>"</u>	<u>Side &amp; Bott.</u>
<u>Outlet &amp; Vent</u>	<u>lea. 2"</u>	<u>150#LWN</u>	<u>SA-181-1</u>	<u>5/8"</u>	<u>-----</u>	<u>"</u>	<u>"</u>	<u>Top</u>
<u>Inlet &amp; Steam Outlet</u>	<u>2"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>-----</u>	<u>"</u>	<u>"</u>	<u>Side</u>
<u>LG</u>	<u>2</u>	<u>1 1/2</u>	<u>SW Coup</u>	<u>"</u>	<u>6000#</u>	<u>-----</u>	<u>"</u>	<u>Side &amp; Bott.</u>

12. Supports: Skirt Yes (Yes or no) Lugs \_\_\_\_\_ (No.) Legs \_\_\_\_\_ (No.) Other \_\_\_\_\_ (Describe) Attached Bottom-Welded (Where and how)

13. Remarks: ISHH 2 1" SW Coup SA-181-1 6000# ----- Welded Side  
LT, Lg & PI 7 3/4 " " " " " " " Side

\*\* Nom. Thk: Top = 3/8", Cone 5/8" & Bottom = 9/16"

**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 1-24-78 Signed The Stacey Mfg. Co. (Manufacturer) by Harry A C Long (Representative)  
 "U" Certificate of Authorization No. 1830 expires March 30, 1979

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by The Stacey Mfg. Co. at Cincinnati  
 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 Ohio and employed by Royal Indemnity Co. have inspected the pressure vessel described in this Manufacturers' Data Report on FEB 7 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 A M Matthew (Inspector) Date 2/7/78 Commissions AB 4466 PENN WC 1720 (Nat'l Board, State, Province and No.)