

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.H. 07039
 3. Location of Installation Passyunk Plant, Philadelphia, Pa.
 4. Type Vertical (Horiz. or vert. tank) 4270-1 (Mfr's Serial No.) 0-178-A43 (CRN) 1286 (Drawing No.) 1977 (Year Built) 1974 (Date)

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 and Addenda to 12-31-76 and Code Case Nos. _____

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. See Remarks (Spec. No., Grade) Nom. 3 3/16 in. Thk. Corr. 1/16 in. Allow. in. Diam. 7'-0" in. Lgth. 18 ft 7 1/2 in.

7. Seams: Long. Weld Dbl. Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Full (Spot or Full) Efficiency 100 % H.T. Temp. 1100 F Time 1 2/3 hr
 Girth Weld Dbl. Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Full (Spot, Partial, or Full) No. of Courses 2

8. Heads: (a) Material See Remarks (Spec. No., Grade) (b) Material _____ (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)
(a) <u>Top & Bott</u>	<u>1 5/8"</u>	<u>1/16"</u>					<u>3'-6"</u>		<u>Concave</u>
(b)									

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

9. Constructed for max. allowable working pressure F.V. & 420 psi at max. temp. 1040° F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 635 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
<u>Manway</u>		<u>24"</u>	<u>900#LWN</u>	<u>SA-182-F11</u>	<u>2 3/4"</u>	<u>See Remarks</u>	<u>Welded</u>	<u>Top</u>
<u>Vapor Outlet</u>		<u>16"</u>	<u>900#WN</u>	<u>"</u>	<u>Sch. 100</u>	<u>"</u>	<u>"</u>	<u>Bottom</u>
<u>Vapor Inlet</u>		<u>16"</u>	<u>"</u>	<u>"</u>	<u>Sch. 80</u>	<u>--</u>	<u>"</u>	<u>Top</u>
<u>Thermo Conn.</u>		<u>3"</u>	<u>900#LWN</u>	<u>"</u>	<u>1"</u>	<u>See Remarks</u>	<u>"</u>	<u>Top</u>

12. Supports: Skirt Yes (Yes or no) Lugs _____ (No.) Legs _____ (No.) Other _____ (Describe) Attached Welded to head (Where and how)

13. Remarks: Heads, shell & Reinf. Plates Material = SA-387 Gr. 11, Cl. 1.

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 Oct. 17, 77 Signed The Stacey Mfg. Co. (Manufacturer) by Robert K. C. Ling (Representative)

"U" Certificate of Authorization No. 1830 expires March 30, 1979

CERTIFICATE OF SHOP INSPECTION

Vessel made by The Stacey Mfg. Co. at Cincinnati Ohio

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 JAN 25 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 R. M. Matthews (Inspector) Date 1/25/78 Commissions NB 4466 PENN OR 1720 (Nat'l Board, State, Province and No.)