

**(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, Pa.
 4. Type Vertical (Horiz or vert. tank) 4259 (Mfg's Serial No.) (CRN) 0-172-A43 1302 (Drawing No.) (Nat'l Bld No.) (Year Built) 1977
 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-204-Gr. C (Spec. No., Grade) Nom. Thk. 1 3/8 In. Allow. 1/8 in. Diam. 8'-9" In. Lgth. 11 ft 10 1/2 in.
 7. Seams: Long. Weld, Dbl. Butt, R.T. Full (Welded, Dbl, Sngl, Lap, Butt) (Spot or Full) Efficiency 100 % H.T. Temp. 1100 F Time 1 3/8 hr
 Girth Weld Dbl. Butt (Welded, Dbl, Sngl, Lap, Butt) R.T. Full (Spot, Partial, or Full) No. of Courses 1
 8. Heads: (a) Material SA-204-Gr. C (Spec. No., Grade) (b) Material SA-204-Gr. C (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Edgess Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) <u>Top</u>	<u>1 3/8"</u>	<u>1/8"</u>			<u>2:1</u>				<u>Concave.</u>
(b) <u>Bottom</u>									

If removable, bolts used (describe other fastenings) _____ (Material, Spec. No., Gr., Size, No.)
 9. Constructed for max. allowable working pressure E.V. & 375 psi at max. temp. 840 F. Min. temp. (when less than -20 F) _____ F. Hydrostatic test pressure 572 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>Catal Load</u>	<u>1</u>	<u>24"</u>	<u>300#LWN</u>	<u>SA-182-F1</u>	<u>1 13/16"</u>	<u>SA-204-C</u>	<u>Welded</u>	<u>Top</u>
<u>Inlet</u>	<u>1</u>	<u>16"</u>	<u>300#W.N.</u>	<u>"</u>	<u>*Sch. 100</u>	<u>--</u>	<u>"</u>	<u>Top</u>
<u>Outlet</u>	<u>1</u>	<u>16"</u>	<u>300#W.N.</u>	<u>"</u>	<u>* " "</u>	<u>SA-204-C</u>	<u>"</u>	<u>Bott.</u>
<u>ThermoWell</u>	<u>3</u>	<u>3"</u>	<u>300#S.O.</u>	<u>"</u>	<u>*Sch. 160</u>	<u>"</u>	<u>"</u>	<u>In Top</u>

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

13. Remarks: * All pipe nozzle material = SA-335-P.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 10-25-77 Signed The Stacey Mfg. Co. (Manufacturer) by Russell O. Hines (Representative)
 "U" Certificate of Authorization No. 1830 expires March 30, 19 79

CERTIFICATE OF SHOP INSPECTION

Vessel made by The Stacey Manufacturing Company 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 Globe Ins. Co. have inspected the pressure vessel described in this Manufacturers' Data Report on FEB 7 19 78 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. Matthews Jr. (Inspector) Date 2/7/78 Commissions NO 4466 PERM WC 1720 (Nat'l Board, State, Province and No.)