

**FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS**

As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by Sistersville Tank & Boiler Works, Sistersville, W. Va.  
 (Name and address of Manufacturer)  
 2. Manufactured for Connecticut Light & Power Co., Waterbury, Conn.  
 (Name and address of Purchaser)  
P. O. 28368  
 3. Type Horiz. Kind Tank Vessel No. (8328-4) ( ) Nat'l Bd. No. 939 Yr. Built 1958  
 (Horiz. or Vert. (Tank, Jacketed, Heat Exch.) (Mfrs' Serial) (State & State No.)

9

Items 4-6 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material A-212-B-Flg. T.S. 70,000 Thickness 1" in. Allowance 0 in. Diam. 120" I.D. Length 54 ft. 7 in.  
 (Kind and Spec. No.) (Fig. or F. B. & lowest T. S.) Corrosion  
 5. SEAMS: Long Dbl. weld butt S.R. no X.R. yes Sectioned no Efficiency 90 %  
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
 Girth Dbl. weld butt S.R. no X.R. yes Sectioned no No. of Courses 5  
 6. HEADS: (a) Material A-212-B Flg. T.S. 70,000 (b) Material A-212-B Flg. T.S. 70,000  
 Location Thickness Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure  
 (Top, bottom, ends) (Radius) (Ratio) (Apex angle) (Radius) (Diameter) (Convex or Concave)  
 (a) End 1/2" nom. 60"\* concave  
 (b) End 1/2" nom. 60"\* concave  
 If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_  
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

7. STAYBOLTS: \_\_\_\_\_ If hollow \_\_\_\_\_ Attachment \_\_\_\_\_ Pitch \_\_\_\_\_ X \_\_\_\_\_ Diam. \_\_\_\_\_  
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)  
\*Head Seams - Double welded butt joint construction - full x-ray  
 8. JACKET CLOSURE: \_\_\_\_\_  
 (Describe as ogee & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for back design pressure of 250 psi. Max. Temp. 650 °F. Subzero -20 °F. Hydrostatic Test 375 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)  
 Floating. Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
 (Kind & Spec. No.)  
 11. TUBES: Material \_\_\_\_\_ O.D. \_\_\_\_\_ in. Thickness \_\_\_\_\_ inches or gage. Number \_\_\_\_\_ Type \_\_\_\_\_  
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material \_\_\_\_\_ T.S. \_\_\_\_\_ Thickness \_\_\_\_\_ in. Allowance \_\_\_\_\_ in. Diam. \_\_\_\_\_ ft. \_\_\_\_\_ in. Length \_\_\_\_\_ ft. \_\_\_\_\_ in.  
 (Kind and Spec. No.) (Fig. or F. B. & Lowest T. S.) Corrosion  
 13. SEAMS: Long \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned \_\_\_\_\_ Efficiency \_\_\_\_\_ %  
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
 Girth \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned \_\_\_\_\_ No. of courses \_\_\_\_\_  
 14. HEADS (a) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_  
 Location Thickness Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure  
 (Radius) (Ratio) (Apex angle) (Radius) (Diameter) (Convex or Concave)  
 (a) Top, bottom, ends \_\_\_\_\_  
 (b) Channel \_\_\_\_\_  
 (c) Floating \_\_\_\_\_  
 If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_  
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)  
 (c) \_\_\_\_\_ Other fastening \_\_\_\_\_  
 (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

15. Constructed for (Int.) pressure of \_\_\_\_\_ psi. Max. Temp. \_\_\_\_\_ °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test \_\_\_\_\_ psi.

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 17. NOZZLES: 1-3/4" coupling in head  

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
	1	4"	300#	Studding			welded in shell
	1	3"	300#	Long Welding Neck	Reinf. 1/2" x 7-1/2"		weld in shell
	1	2-1/2"	prox.	Magnatron Connection	w/3/8" x 5-3/4"		Pad weld in hd.
	1	1-1/4"	XXH	Seamless Pipe (Thermaxwell)			welded thru hd.

18. INSPECTION: Manholes, No. 1 Size 20" 300# Long Location Welding Neck w/cover - Reinf. 3/4" x 33-1/8"  
 Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 19. SUPPORTS: Start \_\_\_\_\_ Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached \_\_\_\_\_  
 (Yes or No) (Number) (Number) (Describe) (What & How)  
 20. REMARKS: Propane Tank

(Print description of gaskets of the vessel, or Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.) (Check)

9

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date Dec. 22, 19 58 Signed SISTERSVILLE TANK & BOILER WORKS By M. Long  
(Manufacturer) Plant Manager

Certificate of Authorization Expires Dec. 31, 1961

**CERTIFICATE OF SHOP INSPECTION**

Inspection Agency's Serial No. 327

VESSEL MADE BY Sistersville Tank & Boiler Works, at Sistersville, W. Va.

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE Ohio, W. Va. and Penna. and employed by Hartford Steam Boiler Inspection & Ins. Co. of Hartford, Conn.

inspected internally and externally, the vessel described in this report on Dec. 22, 1958, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date Dec. 22, 19 58

W. P. Smith  
Inspector's Signature

Commissions N. B. 3365 - Ohio - Penna. 1609  
State or Nat'l Bd. & Number

W. P. Smith

**CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF and employed by  of  have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items  were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of  psi.

Date  19

Inspector's Signature

Commissions   
State or Nat'l Bd. & Number