

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 Chemi-Trol Chemical Co. 2098 W. State St. Fremont, OH. 43420
 2. Manufactured for _____
 3. Location of installation Not Known - Built for Stock
 4. Type Horiz. Tank 284790 7-26-78 284790 (Year Built) 1980
(Horiz. or Vert. Tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Natl. Bld. 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 1980 and Addenda to _____ 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. SA-455 Nom. Thk. .365 in. Corr. Allow. .0 in. Diam. 46" I.D. in. Length 20 ft. 0 in.
(Spec. No., Grade) (Spot or Full)
 7. Seams: Long. Welded, Butt R.T. Spot Efficiency 85 % H.T. Temp. 1100° F Time 4 hr.
(Welded, Dbl., Sngl., Lap, Butt) (Spot or Full)
 Girth Welded, Butt R.T. Spot No. of Courses 3
(Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SA-455 (b) Material SA-455
(Spec. No., Grade) (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)
End	.307"	.0"			2:1				Concave
End	.307"	.0"			2:1				Concave

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

9. Constructed for max. allowable working pressure 250 psi at max. temp. 650 F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, ~~3000~~ test pressure 375 psi.
 10. Safety Valve Outlets: Number 2 Size 3/4" Location Top Shell

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Float Gauge	1	1-1/4"	Forging	A-105	3000#	Inherent	Welded	
Outlet	1	1-1/4"	Coupling	A-105	3000#	Inherent	Welded	
Inlet-Outlet	2	1-1/4"	Forging	A-105	3000#	Inherent	Welded	
Vent	2	1/4"	Coupling	A-105	6000#	Inherent	Welded	
Drain	2	1-1/4"	Forging	A-105	3000#	Inherent	Welded	

12. Supports: Skirt No Lugs _____ Legs 4 Other Wrapper Plates Attached Bottom - Welded
(Yes or No) (No.) (No.) (Describe) (Where and how)

13. Remarks: CONSTRUCTED UNDER THE PROVISION OF UG-90-(c)-(2) NH₃ Nurse Tank - With Baffles
Rost Weld Heat Treated

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 SEP 16 1980 Signed Chemi-Trol Chemical Co. by [Signature]
(Manufacturer) (Representative)
 Certificate of Authorization No. 4301 expires January 31 19 81

CERTIFICATE OF SHOP INSPECTION

Vessel made by Chemi-Trol Chemical Co. at Fremont, OH.
 The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Ohio and employed by Commercial Union have inspected the pressure vessel described in this Manufacturers' Data Report on SEP 16 1980, 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 SEP 16 1980 Commissions NB-5777 PA-NC-1421
(Inspr. or) (Natl. Board, State, Province and No.)