

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Corrected Copy \*

1. Manufactured and certified by ARROW TANK AND ENGINEERING COMPANY, 650 NORTH EMERSON, CAMBRIDGE, MINNESOTA 55008  
 (Name and address of manufacturer)

2. Manufactured for WESTMOR INDUSTRIES LLC, P.O. BOX 683, MORRIS, MN 56267  
 (Name and address of purchaser)

3. Location of installation UNKNOWN  
 (Name and address)

4. Type: HORIZ. 39665 T8593.2 D15902-18 35378 2006  
 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 2004  
 Year

to 2005  
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-612N 11/16 0 7'-6" 46'-5"  
 Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: 1 FULL 100 - - 1 FULL 1  
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA-612N (b) Mat'l. SA-612N  
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	END	.640	0	-	-	2:1	-	-	-	CONCAVE
(b)	END	.640	0	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings) NONE

9. MAWP 325 (Mat'l., Spec. No., Gr., Size, No.)  
 psi at max. temp. 120 °F  
 Min. design metal temp. -50 °F at 325 psi. Hydro. ~~1100~~ test pressure 423 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Manway/Cvr	1	16	STUD PAD	SA516-70N	300#	NONE	UW16.1(i)	HEAD
Misc.	2	6	STUD PAD	SA-350 Gr LF2 CL1	300#	NONE	UW16.1(d)	-
Misc.	1	4	STUD PAD	SA-350 Gr LF2 CL1	300#	NONE	UW16.1(d)	-
Misc.	2	3	RFSO	SA-334 Gr 6	SCH 160	NONE	UW16.1(i)	-
Misc.	3	2	STUD PAD	SA-350 Gr LF2 CL1	300#	NONE	UW16.1(d)	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

11. Supports: Skirt NO Lugs 4 Legs - Other - Attached WELDED TO SHELL  
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:  
NONE  
 (Name of part, item number, Mfg's name and identifying stamp)

16,250 GALLON CO2 STORAGE VESSEL RT1 IMPACT EXEMPT PER UCS 66(b)  
ATE JOB # 15905-18

**CERTIFICATE OF SHOP / FIELD 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. "U" Certificate of Authorization No. 10676 expires December-31-2006.  
 Date Sep-20-2006 Co. Name ARROW TANK AND ENGINEERING COMPANY Signed \_\_\_\_\_  
 (Manufacturer) (Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by ARROW TANK & ENGINEERING CO. at 650 NORTH EMERSON CAMBRIDGE, MN 55008  
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State of Province of MN and employed by Hartford Steam Boiler Insp. & Ins. Co. of CT have inspected the component described in this Manufacturer's Data Report on September-20-2006, 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 this Manufacturer's 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.  
 Date Sep-20-2006 Signed \_\_\_\_\_ Commissions NB 11620A, B MN 039692-CO  
 (Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)