

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

1. Manufactured and certified by

(Name and address of manufacturer)

2. Manufactured for

(Name and address of purchaser)

3. Location of Installation **Unknown**

(Name and address)

4. Type **Horizontal**  
(Horiz. or Vert. tank)**H0700263**  
(Mfr's serial No.)**N/A**  
(CRN)**857999 rA**  
(Drawing No.)**H0700263**  
(Nat'l. Bd. No.)**2007**  
(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**

to

**2005**

(year)

Addenda (Date)

**N/A**  
Code Case Nos.**N/A**  
Special Service per UG-120(d)

6. Shell:

**SA-612**  
Mat'l. (Spec. No., Grade)**0.589"**  
Nom. Thk. (in.)**0"**  
Corr. Allow. (in.)**9' 0.168" (ID)**  
Diam. I.D. (ft. & in.)**31' 10"**  
Length (overall) (ft. & in.)

7. Seams:

**TYPE 1****Full****100%****N/A****N/A****TYPE 1****Spot****85%****4**

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 or Full)

Eff. (%)

No. of Courses

8. Heads: (a) Mat'l:

**SA-612**  
(Spec. No., Grade)

(b) Mat'l:

(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) <b>ENDS</b>	<b>0.338"</b>	<b>0"</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>54.32"</b>	<b>N/A</b>	<b>Concave</b>

If removable, bolts used (describe other fastenings)

**N/A**  
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP

**250**

(internal)

**N/A**

(external)

psi at max. temp.

**125**

(internal)

**N/A**

(external)

°F

Min. design metal temp.

**2**

°F at

**250**

psi

Hydro, pneu., or comb. test pressure

**Hydro. at 325**

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	1	16"	PTFLG	SA516-70N	3.688"	INTEGRAL	(1)UW16.1	Head
LEVEL GAUGE	1	2.5"	CPLG	SA105	3000#		(y-2)UW16.1	
ROTARY GAUGE	1	2"	CPLG	SA105	3000#		(y-2)UW16.1	
THERMOWELL	1	0.75"	CLPG	SA105	6000#		(y-2)UW16.1	
LL-PG	1	0.75"	CPLG	SA105	6000#		(y-2)UW16.1	
VAPOR	1	2"	CPLG	SA105	3000#		(y-2)UW16.1	
LIQUID OUT	1	3"	CPLG	SA105	6000#		(y-2)UW16.1	

Additional Nozzles - See Attached U-4...

11. Supports: Skirt **NO**  
(Yes or no)Lugs **N/A**  
(No.)Legs **N/A**  
(No.)

Other

PADS / SKID  
(Describe)

Attached

**SHELL, WELDED**  
(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:

**N/A**

(Name of part, item number, Mfr's name and identifying stamp)

**TANK, HORIZONTAL STORAGE: 109.346"OD X 18,000 WG. 857999 SHT 1 rA, SHT 2 rB & SHT 3 rA. TO BE USED  
IN A NON-CORROSIVE SERVICE. LINE 9: MDMT/PSI BASED ON UCS-66(a), UCS-66(b) AND UG-20(f).**

## 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. **21957** expires **09/13/2007**Date **02/21/2007**

Co. name

(Manufacturer)

Signed

(Representative)

## CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by \_\_\_\_\_, I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province **OH** and employed by **OneBeacon America Insurance Co. of Boston, MA** have inspected the component described in this Manufacturer's Data Report on **February 13, 2007** 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 **02/28/2007**

Signed

(Authorized Inspector)

Commissions

**12334A, OH1983**

(Nat'l Board (incl. endorsements), State, Prov. and No.)



**FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET**

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by \_\_\_\_\_  
(Name and address of Manufacturer)

2. Manufactured for \_\_\_\_\_  
(Name and address of Purchaser)

3. Location of Installation \_\_\_\_\_  
Unknown  
(Name and address)

4. Type \_\_\_\_\_  
Horizontal (Horiz, vert, or sphere)      N/A (Tank, separator, heat exch., etc.)      Mfg's serial No. \_\_\_\_\_

\_\_\_\_\_ N/A (CRN)      857999 rA (drawing no.)      H0700263 (Nat'l Bd. No.)      2007 (Year built)

Additional nozzles, inspection and safety valve openings:

Additional 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
FILL	1	2"	CPLG	SA105	3000#		(y-2)UW16.1	
DRAIN	1	2"	CPLG	SA105	3000#		(z-1)UW16.1	
RELIEF	2	2"	CPLG	SA105	3000#		(z-1)UW16.1	
SPARE	2	0.75"	CPLG	SA105	6000#		(y-2)UW16.1	

Certificate of Authorization: Type "U" No. 21957 Expires 09/13/2007

Date 02/21/2007 Name \_\_\_\_\_ (Manufacturer) Signed \_\_\_\_\_ (Representative)

Date 02/28/2007 Name \_\_\_\_\_ Commissions: 12334A, OH1983  
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Province and No.)