

PO# 18176
 Item# PLSD-00-EQ-
 255-TNK-9002

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

A-SHOP 1/2

1. Manufactured and certified by Plant Maintenance Service Corporation, 3000 Fite Road, Memphis, Tennessee 38127
(Name and address of manufacturer)

2. Manufactured for Large Scale Dist. Gen./Parson Energy & Chem., PPL Global Power, Houston, TX
(Name and address of purchaser)

3. Location of installation Large Scale Dist.Gen./Parson Energy & Chem., PPL Global Power Sundance Rd, Casa Grande, AZ
(Name and address)

4. Type Horizontal Tank AB-894B - AB-894D 4542 2001
(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 1998
Year

to 2001 - -
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516 Gr 70 3/8" .062 10'-0" 24'-8"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: TYPE1 Spot 85% -- -- TYPE1 Spot 3
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) Matl. SA-516 Gr 70 (b) Matl. SA-516 Gr 70
(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)	L.END	.3125	.062	-	-	2:1	-	-	-	CONCAVE
(b)	R. END	.3125	.062	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings) (40) STUDS SA-193B7 (80) HVY HEX NUTS SA-194-2H.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 52 psi at max. temp. 150 ° F
 Min. design metal temp. -20 ° F at 52 psi. Hydro., ~~mech.~~, or ~~other~~ test pressure 82 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET	1	1"	150LWN	SA-105 -	.520	-	c -	-
OUTLET	1	1 1/2"	150LWN	SA-105 -	.560	-	-	-
MANWAY	2	23 1/4" ID	150RFWN	SA-106 Gr B SA-105	.375	-	c 6	SHELL
-	-	-	-	SEE U-4 ATTACHED	-	-	-	-

11. Supports: Skirt NO Lugs - Legs - Other SADDLES 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 this report: NONE

RELIEF PROTECTION PER UG-125 MUST BE PROVIDED BY CUSTOMER.
(Name of part, item number, Mfr's name and identifying stamp)

ATTACHED PER UW16.1 AND FIG. 2-4.

CHARPY IMPACT TEST EXEMPT PER PARAGRAPHS UG-20(f) AND UCS-66(a)(c).

CERTIFICATE OF SHOP 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 the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 8812 expires 2-28, 2004.
 Date 1/2/02 Co. Name Plant Maintenance Service Corporation Signed *[Signature]*
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Plant Maintenance Service Corporation at Memphis, Tennessee 38127
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of TN and employed by ONE BEACON AMERICA INSURANCE BOSTON, MA have inspected

the component described in this Manufacturer's Data Report on 1-2-02, 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 1-2-02 Signed *[Signature]* Commissions NB88951 AB 703476
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

PO# 181786
Item# PLSD-00-EQ-
255-TNK-9002

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

A-SHOP *212*

1. Manufactured and certified by Plant Maintenance Service Corporation, 3000 Fite Road, Memphis, Tennessee 38127
(Name and address of Manufacturer)

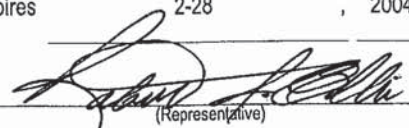
2. Manufactured for Large Scale Dist. Gen./Parson Energy & Chem., PPL Global Power, Houston, TX
(Name and address of Purchaser)

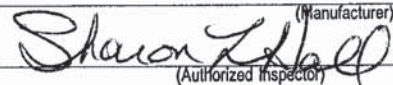
3. Location of Installation Large Scale Dist. Gen./Parson Energy & Chem., PPL Global Power Sundance Rd, Casa Grande, AZ
(Name and address)

4. Type: Horizontal AQUEOUS AMMONIA STORAGE TANK AB-894B
(Horiz., vert., or sphere) (Tank separator, heat exh., etc) (Mfg's serial No.)
- AB-894D 4542 2001
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

Data Report Item Number	Remarks								
LIQUID RETURN	(1) 1" 150LWN SA-105 - .520						c	-	-
PSV	(1) 3" 150RFWN SA-106B SA-105 SCH 80						c	6	-
THERMOMETER	(1) 1 1/2" 150LWN SA-105 - .560						c	-	-
PRESS. GAUGE	(1) 1" 150LWN SA-105 - .520						c	-	-
VENT, DRAIN, FILL, VAPOR REMOVAL, PSV (VAC BRKR), LEVEL BRIDLE,	(7) 2" 150LWN SA-105 - .560						c	-	-

Certificate of Authorization: Type U No. 8812 Expires 2-28, 2004

Date 1/2/02 Name Plant Maintenance Service Corporation Signed  (Representative)

Date 1-2-02 Name  (Authorized Inspector) Commission UB89457 AB TN3476 (Nat'l Board incl. endorsement, state, province and no.)