DR-2079 / 112980

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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

11-1146-9
Corrected *

1. Manufactured and certified by FABWELL CORPORATION 8410 S. REGENCY DR. TULSA, OK. 74131
(Name and address of Manufacturer)
CPO NO. MPC18690-0001

2. Manufactured for MISSISSIPPI POWER 2992 WEST BEACH BLVD, GULFPORT, MS. 39502
(Name and address of Purchaser)

3. Location of Installatior MISSISSIPPI POWER COMPANY-IGCC FACILITY. 8410 S. REGENCY DRIVE, DEKALB, MS. 39328
(Name and address)

4. Type VERTICAL (Horizontal or Vertical, tank) | 11-1146-4 (Manufacturer's serial number) | N/A (CRN) | D-5233 (Drawing No.) | 1881 (National Bd. No.) | 2012 (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 2010 (Year)

to N/A (Addenda (date)) | N/A (Code Case numbers) | N/A (Special Service per UG-120(d))

6. Shell SA-516-70N W/1/8" SA-240-304L SS CLAD (Material spec. numbers, grade) | 5/8" (Nominal thickness) | 0 (Corr. Allow.) | 90" ID of CLAD (Inner diameter) | 8' -8" (Length (overall))

7. Seams WELDED (Long. (welded, dbl, sngl, lap, butt)) | Full (R.T. (spot or full)) | 1.0 (Eff,%) | NA (H.T. temp.) | NA (Time, hr) | SINGLE (Girth. (welded, dbl, sngl, lap, butt)) | Full (R.T. (spot or full)) | 1.0 (Eff,%) | 1 (No. of courses)

8. Heads: (a) Material SA-516-70N W/1/8" SA-240-304L SS CLAD (Spec. numbers, grade) (b) Material SA-516-70N W/1/8" SA-240-304L SS CLAD (Spec. numbers, 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)	Top	0.5625"	0	---	---	2:1	---	---	---	CONCAVE
(b)	Bottom	0.5625"	0	---	---	2:1	---	---	---	CONCAVE

If removable, bolts used (describe other fastenings NA
(Material spec. numbers, grade, size, number)

9. MAWP 240 PSI (Internal) NA (External) at max. temp. 187° F (Internal) NA (External)
Min. design metal temp. 10° F at 240 PSI Hydro., ~~pneu., or comb~~. test pressure 312 PSI
Proof test N/A .

10. Nozzles, inspection, and safety valve openings: *304L clad

Purpose (Inlet, Outlet, Drain)	Number	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Feed Inlet (A)/Vapor Out(B	2 *	24"	150# RFWN	SA-516-70N *	.375"	SA-516-70N	UW-16.1(c.)	-------
Liquid Out (C.)	1	2"	150# RFWN	SA-106+304L OL	.344"	WELD	UW-16.1(c.)	-------
Level Bridles (LB1A & 1B)	2	2"	300# RFLWN	SA-105+304L OL	.655"	WELD	UW-16.1(c.)	-------
Steam Out (S)	1	2"	150# RFLWN	SA-105+304L OL	.530"	WELD	UW-16.1(c.)	-------
Manway (MH1)	1	24"	150# RFWN	SA-516-70N *	.375"	SA-516-70N	UW-16.1(c.)	Shell

11. Supports:Skirt Yes (Yes/no) Lugs No (Number) Legs None (Number) Other NA (Describe) Attached Head-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: NA
(Name of part, item number, Manufacturer's name and identifying stamp)
(1) 90" ID MP CO2 KO Drum Tag# DR2079, WBS Area: 180
Exempt from Impact test per UCS-66 Curve B & D, UG-20(f) & Coincident Ratio.
PSV by others in piping. UG-22 Loadings have been reviewed and applied per customer declarations.

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statement made in this report are correct and that all details of design, material, construction, and workanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE,Section VIII,Division 1,"U" Certificate of Authorization Number 8684 expires 5/19/2013
Date 9-18-13 Co. name FABWELL CORPORATION (Manufacturer) Signed Donald Herd (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by FABWELL CORPORATION at 8410 S. Regency Dr. Tulsa, Ok. 74131
I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and/or State or Province of OKLAHOMA and employed by ONE BEACON AMERICA INSURANCE COMPANY OF LYNN, MA.
have inspected the component described in this Manufacturer's Data Report 9-18-13, and state that, to the best of my knowledge and belief,the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal or property damage or loss of any kind arising from or connected with this inspection.
Date 9-18-13 Signed (Authorized Inspector) Commissions NB 8424 OK-266 (National Board (incl. endorsements), State, Province, and number)