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

1. M	lanufactured ar	nd certifie	ed by Ste	el Fab, A Div.	of Samuel Str					bingdon, Vi	rginia, 242	210-7833	
2. M	lanufactured fo	Steel	l Fab - St	ock	łusky	OilO	lame and add	ms	acturer)				
3. L	ocation of Insta	llation _	Unknow	1	•	Hotwa	ter V	apor I)noject				
4. Ty	pe Vert			72380 to 672408		(Name and address) 4036.5C A10053 R13			672380-6		2011		
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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 to No.													
,	OODE. THE GO		None	, and workmans	inp comorni to i	Non		DIVISION 1	2010 (year)	to [Adde	No enda, if applicab	le (Date)]	
6. S	holl:	•	ase numbers	,	(Special Service per UG-120(o			01.011.76				e 11	
0. 3					200" None al thickness) (Corr. allow.)			2' 6" (C (Inner diam		5' 7 .: [Length (o			
7. S		rms: Type No. 1 None [Long. (welded, dbl., sngl., lap, butt)] R.T.(Spot or			70% Eff.(%)	N/A N/A Type No. : (H.T. temp) Time (hr) [Girth. (welded, dbl., sngl				None 85% 1			
8. H	eads: (a) Mate	erial			414-G (b) Material			rial	UA				
ſ	Location (Top, Bo	ttom.	Minimum	(Spec.	no., grade) Crown Radius	Knuckle Radius Elliptical Ratio C		Conical Ane	onical Anex Hemispherical		(Spec. no., grade) Flat Side to Pressure (Convex or		
	Ends)		Thickness	Allowance			Emptiour rutik	Angle	Radius	Diameter	_	oncave)	
(a)	ТОР ВОТТОМ	+	.174"	None	N/A	N/A	2:1	N/A	N/A	N/A		oncave	
If removable, holts used (describe other factorings)										oricave			
(Material spec. number, grade, size, number)													
9. W	IAWP	200 p (Intern			N/A (External)	at i	max. temp.		400 °F (Internal)		N/A (External)		
Mi	Min. design metal temp at 200 psi									t 260 psi			
Pr	oof test						N/A						
0. Nozzles, inspection and safety valve openings:													
	ose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Туре	Mate Nozzle	erial Flange	Nozzle Thio		nforcement Material	Attachmer Nozzle		Location (Insp. Open.)	
	Inspection	2	2.000"	Threaded Fitting	SA181 CL 70	riange	UG11(a)(1)	-		FigUW16.2(c)	Flange	Shell	
Inle	et/Outlet/Valve	3	2.000"	Threaded Fitting	SA181 CL 70		UG11(a)(1)		nherent I	FigUW16.2(c)			
	Drain Spare	1 2	1.000"	Threaded Fitting Threaded Fitting	SA181 CL 70 SA181 CL 70		UG11(a)(1) UG11(a)(1)			FigUW16.2(c) FigUW16.2(c)			
Additi	ional Nozzles - Se	e Attach	ed U-4			.1	19911(4)(1)			190001012(0)			
1. S	upports: Skirt	Yes (Yes or		gs 0 Le	egs (Number)	Other		None Describe)	A	ttached		s - Welded re and how)	
	marks: Manufactu	•	,	orts properly identific	, ,	Commissioned Ins			for the following	ng items of the		e and now)	
						number, Manufactu							
<u>.</u>	f) applies	under	the p	rovision of	UG-90 (c) (2). No sai	ety devi	ce provid	led per U	G-125 (a)). UG-20	_	
We AN	certify that the st D PRESSURE V	atements	made in th	CERTIF is report are correct on VIII, Division 1.	ICATE OF SH ot and that all deta "U" Certificate of	ails of design, ma	terial, constru	E ction, and wo expires		this vessel cor		ASME BOILER	
Date 09/07/2011 Co. name Steel Fab, A Div. of Samuel Strapping Systems, Inc. Signed (Representative)													
CERTIFICATE OF SHOP/FIELD INSPECTION													
Vessel constructed by Steel Fab, A Div. of Samuel Strapping Systems, Inc. at 17403 Lee Highway, Abingdon, Virginia, 24210-7833 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province.													
and employed by OneBeacon America Insurance Co. of Lynn, MA September 6, 2011 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 injury or property damage or a loss of any kind arising from or connected with this inspection.													
		7/2011		gned	San A.S		Commissions			12048A, V	A921		
			•		Authorized Inspe-			(Na	itional Board (inc	l. endorsements)	, State, Province	e and number)	

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

NW895

(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

1. N	/lanufactured and	certifie	ed by Ste	el Fab, A Div. o	of Samuel Stra					oingdon, Vi	irginia, 242	210-7833		
2. Manufactured for Stock (Name and address of manufacturer) (Name and address of manufacturer) (Name and address of manufacturer)														
3. Location of Installation Unknown Hot Water Vopar Project.														
4. Type Vertical (Horizontal or vertical, tank) The chemical and physical properties of all parts CODE. The design, construction, and workmans					iber) (CRN) (Drawl meet the requirements of material specification			0049 R12 awing number)	ASME BOIL 2010	675331-6 (National Boa LER AND Pr to	ard number)	2011 (Year built) VESSEL		
None (Code Case numbers)					None (Special Service per UG-120(d))				(year)	[Adde	enda, if applicab	le (Date)]		
6. S	Shell: SA414-G				164" None al thickness) (Corr. allow.)			2' 0" (OI (Inner diame			4' 7.5" [Length (overall)]			
7. S	7. Seams: Type No. 1 None [Long. (welded, dbl., sngl., lap, butt)] R.T.(Spot or Fi				70% III) Eff.(%)		N/A Type No. 2 Time (hr) [Girth. (welded, dbl., sngl., lap, butt)]			Non [R.T. (spot		5% 1 ff(%) No. of Courses		
8. F	leads: (a) Materi			414-G (b) Material			ial		The second secon	SA414-G (Spec. no., grade)				
	Location (Top, Botto Ends)	ocation (Top, Bottom, Minimum Ends) Minimum Thickness		Corrosion Allowance	no., grade) Crown Radius	Knuckle Radius Elliptical Ratio		Conical Apex Angle			Side to Pre	ssure (Convex or oncave)		
(a)	TOP		.149"	None	N/A	N/A	2:1	N/A	N/A	N/A	C	oncave		
(b)	воттом		.149"	None	N/A	N/A	2:1	N/A	N/A	N/A	C	oncave		
If rei	movable, bolts us	ed (de:	scribe oth	er fastenings)		None al spec. number, grade, size, number)								
9. N	MAWP	200 p			N/A at max. temp. 400 °F (Internal)						N/A (External)			
	in. design metal t roof test	emp.	-20 °I	at	200 psi Hydro, pneu., or comb. test pressu N/A				HYDRO. at 260 psi					
10. N	lozzles, inspection	n and s	safetv val	/e openinas:										
	Purnose (Inlet Outlet Diameter			Mate	rial	Nozzle Thick	ness Rein	forcement	Attachmer	nt Details				
	Drain, etc.)	No.	or Size	Туре	Nozzle	Flange		Corr. N	laterial	Nozzle	Flange	Location (Insp. Open.)		
	Inspection	2	2.000" 2.000"	Threaded Fitting			UG-11(a)(1)			igUW16.2(c)		Shell		
	Unknown Unknown	1	1.500"	Threaded Fitting Threaded Fitting			UG-11(a)(1) UG-11(a)(1)			igUW16.2(c) igUW16.2(c)				
	Unknown	2	1.000"	Threaded Fitting		1	UG-11(a)(1)			igUW16.2(c)				
Additional Nozzles - See Attached U-4 11. Supports: Skirt Yes Lugs 0 Legs 0 Other None Attached (Yes or no) (Number) (Number) (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: N/A (Name of part, item number, Manufacturer's name and identifying stamp)														
Constructed under the provision of UG-90 (c) (2). No safety device provided per UG-125 (a). UG-20 (f) applies.														
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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization No. 23846 expires November 28, 2012														
Date 10/07/2011 Co. name Steel Fab, A Div. of Samuel Strapping Systems, Inc. Signed (Representative)														
CERTIFICATE OF SHOP/FIELD INSPECTION														
Vessel constructed by Steel Fab, A Div. of Samuel Strapping Systems, Inc. at 17403 Lee Highway, Abingdon, Virginia, 24210-7833 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province VA end employed by OneBeacon America Insurance Co. of Lynn, MA have inspected the component described in this Manufacturer's Data Report on October 9, 2011 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 injury or property damage or a loss of any kind arising from or connected with this inspection.														
•	Date 10/09	/2011	Sig	gned(Seco (A.S.) Authorized Inspec	etor)	Commissions	(Nati	ional Board (incl	12048A, V I. endorsements)	A921 , State, Province	e and number)		