FORM A-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 2

1.	Manufactured and	certified by											
2.	(Name and address of manufacturer)												
	Wallard Caroa Tor				(1)	lame and a	ddress of	purchase	er)				
3.	B. Location of installation(Name and address)												
4.	Type			(1.0.1.0 01.0 000)									
	Type	or vert. tank		Mfr.'s s	erial no.		CRN		Draw	ving 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 PRESSUL VESSEL CODE. The design, construction, and workmanship conform to ASME Code, Section VIII, Division 2.										AND PRESSURE		
	Ye						da date					Code case no.	
	ms 6 to 11 incl. to be	e completed	for single w	ali vessels, ja	ackets of	jacketed	vessels,	or shel	is of i	neat exchang	jers		
6.				Nom. thk. Corr. allow.					Diameter			Length (overall)	
7.	SeamsLongitudinal			Heat treatment					Nondestructive examination				
	Girth Heat treatment			Nondestructive examination				1	No. of courses				
8.	Heads: (a) Matl						(b) M		atl		Spec. no., grade		
	Location	Minimum	Corrosion	Spec. no., grade Crown Knuckle Ellig		Elliptica	otical Conical Apex		Hemispherical		Spec. no., gi at Diameter	Side to Pressure	
(a)	(Top, Bottom, End)	Thickness	Allowance	Radius	Radius	Ratio		ngle		adius		(Convex or Concave	
(b)													
9.	If removable, bolts	used (desc	ribe other fas	stenings):							_		
10	laakat alaayya				I£				_	ade, size, nur		laaasiba as alsatab	
10.	Jacket closure	Describe as o	gee and weld, l	bar, etc.	IT Da	r, give aii	nension	ıs			. II boilea, c	lescribe or sketch.	
11	MAWP		(External)	at max. te	emp.				N	lin. design m	netal temp.	at	
	(Interr	(Internal) (External)											
	Impact test At test temperature of												
	Hydro., pneu., or	comb test p	ressure										
	ms 12 and 13 to be o	completed f	or tube section	ons									
12.	Tubesheets Stationary matl. (spec. no., grade) Floating matl. (spec. no., grade) Tubes Matl. (spec. no., grade)		Diam. (subject to pressure) (Diam.)			Nom. thk. Nom. thk.			Corr. allow.		Attach. (wld., bolted) Attach. (wld., bolted)		
13.													
Ite	м s 14 to 18 incl. to l			O.D hambers of i a		vessels. o			eat ex	Numb changers	oer i	ype (straight or "U")	
	Shell	-											
	Material (spec. no., grad		de) l	Nom. thk. Corr. a			low. D		Diam	Diameter		Length (overall)	
15.	Seams Longitudinal			Heat treatment					Noi	ndestructive e	xamination		
	Girth	Girth Heat treatment			Nondestructive examination			No. of courses					
16.	Heads: (a) MatlSpec. no., gr			(b) Matl				Spec. no., grade					
	Location Minimum Corrosion			Crown Radius Knuckle			Elliptical Conical A		Anex	Hemispherica	1	er Side to Pressure	
	(Top, Bottom, End)	Thickness	Allowance	Crown nadius	Radi		Ratio	Ang		Radius	Triat Diamete	(Convex or Concave	
(a)													
_	!	used (desc	rihe other fas	teninas).	-!	I					I		
	7. If removable, bolts used (describe other fastenings):									at			
ıĸ.	MAWP(Internal) (External)			_ at max. temp				External)	al) Min. design metal tempat				
	Impact test							At	test t	emperature (of		
	Hydro., pneu., or	comb test p	ressure										
(07/	/10)												

FORM A-1 (Back)

Items below to be completed for all vessels where applicable.

19. Nozzles inspection and safety valve openings

20. Support Skirt	Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Туре	Material	Nom. Thk.	Reinforcement	Material	How Attached	Location			
Vest of the Certification on file at User's Design Report certified by													
Vest of the Certification on file at User's Design Report certified by													
Vest of the Certification on file at User's Design Report certified by													
Vest of the Certification on file at User's Design Report certified by													
Vest of the Certification on file at User's Design Report certified by													
Vest of the Certification on file at User's Design Report certified by	20. C c. cl.:t		1	1		O+l		A + +	<u> </u>				
Remarks: CERTIFICATION OF DESIGN				_ Legs	No.	Other	Describe	Attached	Where and h	10W			
CERTIFICATION OF DESIGN Users Design Specification on file at Manufacturer's Design Report on file at User's Design Report certified by PE State Reg. No. Manufacturer's Design Report certified by PE State Reg. No. CERTIFICATE OF SHOP COMPLIANCE We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conforms to the ASME Code for Pressure Vessels, Section VIII, Division 2. "U2" Certificate of Authorization No. expires Date Co. name Signed Report on Manufacturer Signed Report on Administration of the Manufacturer Signed Report on Administration Report Section VIII, Division 2. By signing this certificate neither the Inspector on This employer makes any warrance with ASME Code, and state that, to the best of my knowledge and belief, the Manufacturer's Data Report. Furthermore, neither the Inspector on ribs employer makes any warrance with ASME Code, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector on ribs employer with this inspection. Date Signed Commissions Authorized Inspector Or Described Report Signed Secribed Report Signed Report Personal Injury or property damage or a loss of any kind arising from or connected with this inspection. CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 2 of the ASME BOILER AND PRESSURE VESSEL CODE. "U2" Certificate of Authorization No. expires Date Connectified and constructed field assembly Representative CERTIFICATE OF FIELD ASSEMBLY VINSPECTION I, the undersigned, holding a valid commissio													
CERTIFICATION OF DESIGN	Tes or 110 Describe contents or service Remarks:												
Users Design Specification on file at Manufacturer's Design Report on file at Warer's Design Report certified by PE State Reg. No. Manufacturer's Design Report certified by PE State Reg. No. Manufacturer's Design Report certified by PE State Reg. No. CERTIFICATE OF SHOP COMPLIANCE We cartify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conforms to the ASME Code for Pressure Vessels, Section VIII, Division 2. "U2" Certificate of Authorization No. expires Date Co. name Representative Signed Report on The Manufacturer Signed Report on The Manufacturer Signed Report on The Manufacturer Representative Representative Report on The Manufacturer Signed Report Furthermore, neither the Inspect on report on The Manufacturer Signed Report Furthermore, neither the Inspect on report Period Report Furthermore, neither the Inspect on The Manufacturer Signed Report Furthermore, neither the Inspect on The Manufacturer Signed Report Furthermore, neither the Inspect on The Manufacturer Signed Report Furthermore, neither the Inspect on The Manufacturer Signed Report Furthermore, The Report Signed Commission Signed Commission Si	HOTHURS.												
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Manufacturer's Design Report certified by FE State Reg. No	User's Design Specificati	ion certi	ified by			PE State			Reg. No				
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Vessel made by	We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conforms to the ASME Code for Pressure Vessels, Section VIII, Division 2. "U2" Certificate of Authorization No expires												
Vessel made by													
Province of and employed by of													
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 2. 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 Signed Commissions Nat'l. Board (incl. Endorsements), State, Prov., and No. CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 2 of the ASME BOILER AND PRESSURE VESSEL CODE. "U2" Certificate of Authorization No expires Signed Assembler that certified and constructed field assembly Representative CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division 2. The described vessel was inspected and subjected to a hydrostatic test of 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	Province of		and emplo	yed by _			of						
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