## FORM U-DR-2 USER'S DESIGN REQUIREMENTS FOR MULTICHAMBER PRESSURE VESSELS

Owner: Operator:				Country of Ins					tallation: State/F				ovince of ion:			City of Installation:				
Service:					l Lev fic G		amber 1 Chamb amber 1 Chamb				amb amb	er 2 Ite			Item	tem No.:				
Diameter:					Leng	Tanger	nt-1	t-to-Tangent:				Type: Jacket 🗌 Internal Coil [ Shell and Tube 🗍				oil [				
National Board Canadian					al Se	ce:					Overpressure Protection:									
Registration Required:	Registra	tion Re	equired:	Letha	I (L)		Di	irect Firing (DF)				Valve Rupture Disk								
Yes 🗌 No 🗌	Yes 🗌	N	o 🗌	Unfired Steam Boile									Other System Design							
OPERATING CONDITIONS:				Minimum Pressure					Maximum Pressure				Minimum Temperature				Maximum Temperature			
Chamber 1 – Case 1																				
Chamber 2 – Case 1 Chamber 1 – Case 2								-												
Chamber 2 – Case 2																				
DESIGN CONDITIONS:				Cha				mber 1				Chamber 2								
Internal Design Pressu	re:			@										@						
External Design Pressu						6	බ							@						
MAWP Internal:				Same as Design					Calculated by				Same as Design				Calculated by			
				Press	ure: [				Manufacturer:				Pressure:				Manufacturer:			
MAWP External:				Same as Design Pressure:					Calculated by Manufacturer:				Same as Design Pressure:				Calculated by Manufacturer:			
Minimum Design Metal Temperature (MDMT) – Case 1				@			@						Due to: Process Ambient Ten			Other				
Minimum Design Metal Temperature (MDMT) – Case 2					@								Due to: Process Other Ambient Temperature							
Corrosion Allowance:	S	hell	He	ads	N	Voz	zles		Jacket		C	oil		Sup	ports	1	eshe			ubes
Corrosive Service?	Int.	Ext.		Ext.	Int		Ext.	I	Int. Ex	t.	Int.	-	xt.	Int.	Ext.	SS		TS	Int.	
Yes 🗌 No 🗌																				
Cyclic Service: Yes 🗌 No 🗌 🛛					s pe		Design Life year													
Wind Loading:     ASCE 7     Wind       UBC     IBC     IBC       Other     None     IBC									fication Exposure egory Category											
Seismic Loading: ASCE 7 Soil P			Profile Classification:				PWHT:				Other Loadings per UG-22:									
							Per Code													
Other None									Process Required				Diff. Thermal Exp.							
Insulated: Yes No Type: By Manufacturer By Others Cham				Thickn nber 1				,					Coating Specification: Permitted Prior to Pressure Test				et			
			iber 2										No 🗌							
Vessel Support: Legs 🗌 Skirt 🗌 Lugs 🗌			Saddles					Fireproofing: Ty			Type	Туре:			Rati	Rating (hr):				
Yes         No         Yes         No																				
						MATE	ERIALS													
Component Specification									Component				Specification							
Shell	_						Ellipsoidal Head													
Hemispherical Head	•							Torispherical Head												
Toriconical Head Nozzles							Conical Head													
							Flanges													
Stiffener Rings Attachments					Pressure-Retaining Bo Internals				bult	5										
Reinforcing Pads						Coil														
Jacket									Tubes				-+							
Tubesheet								Other				_								
NOZZLE SCHEDULE																				
Description Number Size					Flange Class				Description				Number Size				Flange Class			
	Requ			Ty	~			_						Requ				Тур	- I	
										-		-								
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	_																			

## FORM U-DR-2 (Back)

WELDED PRESSURE JOINT REQUIREMENTS											
DESIGN BASIS:			ID CONE THICKNESS BASED ON: FICIENCY <i>E</i> =		ED HEAD THICKNESS BASED ON: FEFFICIENCY <i>E</i> =						
	OCATION N-3		TYPE OF JOINT (Use Types as Described in UW-12)		NDE WITH COMMENTS						
Category A											
Category B	Head-to-	Shell									
	Other										
Category C Body Flanges											
Nozzle Flanges											
	Tubeshe	ets									
Category D											
			BODY FLANGE REQUIREMENTS	;		1					
Description		Туре	Facing/Surface Finish	Gask	et Style	Joint Assembly (See ASME PCC-1)					
SKETCH											
GENERAL NOTES											
			CERTIFICATION								
We certify that the statements made in this form are accurate and represent all details of design as per the user or his designated agent [see Nonmandatory Appendix NN]											
Date:											
		-									
User:		-									
Signed:											
		(16	presentative)		•						
Registration Identification:											