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

1.	Manufactured	and	certified	by					J.D. 0	Cousid	ns, Ind	c. 667	7 Tiff	it Street Buffa	lo NY 1	4220 U	SA							
Manufactured for								(Name and address of Manufacturer) THERMAL KINETICS 667 TIFFT ST. BUFFALO, NY.14220																
3.	(Name and address of Purchaser) 3. Location of installation CENTRAL ILLINOIS ENERGY 23133 EAST COUNTY HWY 6 CANTON, IL 61520																							
4.	Type:		(Name and address) CONDENSER 606-5A																					
(Horiz., vert., or sphere)							TD2-BC-7001	(Tank, separator, jkt. vessel, heat exch., etc.) (Mfr.'s serial No.) 2-BC-7001 REV 0 7997 2006																
						(Drawing No.)		-		_			(Nat'l. Bd. No	.)				(Year						
5.	ASME Code, :	tion, 2005 Adde	2005 Addenda -								<u> </u>													
Item 6.			omplete		igle wall ve	Edition a ssels, jacki N/A	nd Addenda (da ets of jacketed t	ate)] vess	els, she				gers	ode Case No. s, <i>or chamber</i> ft & in.):) of mult	i-cham	er vesse	Special Se els. N/A	rvice pi	er UG-120	(d) <u>{</u>			
Course(s) Material						ial	Thickness						Joint (Cat. A	Circ	ircum, Joint (Cat. A, B, & C) Heat Treat									
No.	No. Diameter, in. Length (ft & in.)			k in.)	S	ог Туре	Туре				 		I, Spot, None	Eff.	,									
1	- 					-				_			-			-		-	-					
3	-	 	-	 -		-			ļ -	-				-	-	<u> </u>		-		-				
	Line de la Colonia	<u> </u>				-			-					-	<u> </u>	-	<u> </u>	*	-	<u> </u>				
7. Heads: (a) N/A (b) (Mat'l Spec. No., Grade or Type) (H.T Time & Temp) (Mat'l Spec. No., Grade or T											N/.													
	Location (7	Гор		kness		dius	Elliptical				Hemis		ical	Flat	~~~~~~		r Type) (H.f Hm Pressure							
	Bottom, En	Bottom, Ends) Min. Co		Corr.	Crown	Knuckle	Ratio	Ratio Ap		le	Radius			Diameter	Convex		Concave	Type	Category A e Full, Spot, None		Eff.			
(a)			-	-	-	-	-	_				-		-	-		-	- [-				
(b)						-										-	-							
,, ,,,,,	novable, bolts	usec	(desci	r lastering)			N/A (Mat'l Spec. No., Grade, size, No.)																	
8.	Type of jacket	<u></u>				N/A					Jack	et clo			ie, size	, INO.)		N/A						
(Describe as ogee & weld, bar, etc.) If bar, give dimensions: N/A If boiled, describe of																								
	***	V/A		N	/A	psi at m	ax. temp.	V/A	1147		V/A		°F	Min. design	metal t	emn	N//		oonea, at	describe : N/A	or sketch. psi.			
	(inte	rnal)		(exte	···	⊸ '		rnal)	— —		ernal))	•	:	·······································	-	1413			IN/A				
10.	Impact test								I/A									at test to	empera	ture of	N/A °F			
11. j	Hydro., развих	, en	esandx 1	test pres	ss.	(Indicat N/A	e <i>yes</i> or <i>no</i> and Pro	the of te		nent(s) im;	pact te	este	d)		N/A	A				A			
	s 12 and 13 to	be co	,						_					***************************************			•							
12. Tubesheet: SA-240-304/304L [Stationary (Mat'l Spec. No.)] [86.25"X 55" 1.437 Dia., in. (subject to press.)] (Nom. thk., in.) ((0 Bolted Corr. Allow., in.) [Attachment (welded or bolted)]								
_			N/A	ricity (IVI	т орес. м	J./J	- -	າກໄຮບ	а со рге	ss.)]	-	{INC	om, t	nk., in.)	(C	OFF. All	ow., In.)	[Atta	chment	(welded o -	r boited)]			
12 -	[Float Tubes:	ing (I		ec. No.)		(Dia., in.)	_		(Nоп	ı. thk	., in.)		· · ·	rr. Allo				,	hment)				
,,,		(Mat	***************************************	49-304/	de or Type		(O.D.,					N 41		049			100			Straight				
	s 14 - 18 incl. to	o be o	complet	ed for in	ner chambe	rs of jacke	ted vessels or o	hanı	nels of I	reat e	ı) xchai	ngers.	,	in. or gauge)		(ivui	mber)		Type (\$	Straight or	U)j			
14. \$			ourse(s).		2			(t) Ove	∍rall i	ength	(ft 8	in.):				4'-3 1/4"						
Course(s) Material No. Diameter, in. Length (fl & in.) Spec./Grade or Tv							Thickness					Long, Joint (Cat. A)			Circur		Cat. A, B, & C)		Heat Tre	eatment				
No.	Diameter, in.	_	3111 (FL & 88 5/8"	in.)]		ec./Grade 6A-240-304			.375	Corr		ype I	Full,	Spot, None	Eff.	Type	Full, Sp	ot, None	Eff.	Temp.	Time			
2	53"		88 5/8"			SA-240-304			.250	0		ALS		None None	70 70	-	<u> </u>		-	-				
3	-		-			-			-			-		-	-	-		-	-	-				
15. F	Heads:(a)				SA-2	40-304/304	L	(b)									SA-240-304/304L							
			T Time & Temp)												Type) (H.T Time & Temp)									
Location (Top Thickness Bottom, Ends) Min. Corr					Rac	Elliptical		onical	-		pheric	cal	Flat		to Pre			Cate						
(a)	END	is)	Min. .723	Corr.	Crown	Knuckle	Ratio -	Ape	ex Angl	9	Ra	soius	-	Diameter	Сопу	ex C	oncave			ot, None	Eff.			
(b)	END	\dashv	.723	0	-	-	-					-		26 1/4X52.5 26 1/4X52.5		_	-	SMLS	NO NO		100			
	novable, bolts	used			fastening)		I			_L_		SA-19:	_	HEX HD BOL	TS 3/4'	(212)		JINILO	NU	116	100			
											~~~			., Grade, size		\ ~ }								

16.	MAWP 2	5		15	psi at max, temp.	250	250	ا ۵	°. Min⊾de	esign metal temp	20 "	Pat	25/FV	μsi.
17.	(internal) (external) mpact test		(internal) (external) NO PER UHA-51 (d) AND UCS-66(a)			al)			at test temperature of			□F.		
18.	Hydro., ряжжх	ek edf	ndx test pre	ss.	(Indicate yes or no 33 Pr	and the com oof test	ponent(s) im	oact tested)		N/A				
19.	Nozzles, inspect	ion, a	nd safety va	ive opening	ıs:									
	Purpose (inlet,				M	aterial		Nozzle T	,	Reinforcement		ttached	Location	
0	utlet, Drain, etc.)	No.	or Size	Type	Nozzie	F	lange	Nom.	Corr.	Material	Nozzie	Flange	(Insp. Ope	iu")
	Inlet	1	36"	LAPJT	SA-240-304/304L	S	A-105	.250	0	NONE	UW16.1	LAPJT	DOME	
	Drain	1	4"	LAPJT	SA-312-304/304L	S	A-105	.237	0	NONE	UW16.1	LAPJT	DOME	
	Veпt	1	6"	LAPJT	SA-312-304L	S	A-105	.280	0	NONE	UW16.1	LAPJT	DOME	
		-	-	-	-		-	-	-	-	-	-	-	
<u> </u>	-	1-	-	-	-		-	-	-	_	-	-	-	
	_	┪-	-	-			_	-	-	•	-	-	2	-
	-	+		_	_				_	_	-	-	-	
					<u> </u>	i	(7) 51		<u> </u>	Addraga	<u>l</u>	VIEL DED	TO DOME	
20.				Lugs			Other	\$ 		Attached	(Where and how)			
21.		artial			(No.) identified and signed by r, mfr.'s name and ident			s have beer	(Describe	of the following items of	of	(Wilele a		
22.	Remarks: All SI VESSEL HYDRO SAFETY RELIEF PO# 73338	TES	ED IN THE	HORIZ. PO										
	I, the undersigne	d, hole	ding a valid o	commission			OF SHOP IN			and/or the State or Prov	<u>)                                    </u>	re)	d	
	of NY and employed by OneBeacon AMERICA INSURANCE CO. of Boston, MASS.													
	state that, to the VIII, Division 1. E vessel described	best c ly sigr	f my knowle ling this cert s Manufactu	idge and be lificate neith rer's Data F e or a loss c	er the Inspector nor his	as constructe employer mather the insp	ed this pressuakes any ware ector nor his	ranty, expre employer sh	essed or in nall be liab	ice with ASME Code, Sentiled, concerning the problem in any manner for any WB7710 A	ressure	105	, a 	nd
i	-:/ <del>-11</del>	VØ			(Authorized	Inspector)			-	(Nat'l Board incl. endors			ince and No	1.)
				ion VIII, Div	vision 1. U Certificate o	field assemb	oly construction No.			ressel conforms with the Expires	resentativo	=)	·	
					CERTIFICA	ATE OF FIE	LD ASSEM	BLY INSP	ECTION					
	I, the undersigne of	d, hol	-	commissior and employ	-	Board of Boil -	ler and Press	ure Vessel I	Inspectors	and/or the State or Prov	rince			
	of													
	and state that pa	nd state that parts referred to as data items - , not included in the certificate of shop inspection, have been												
					dge and belief, the Man	ufacturer has	s constructed	and assem	bled this a	ressure vessel in accord	iance			
	respected by me and 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 1. The described vessel was inspected and subjected to a hydrostatic test of - psi.													
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel													
	·			·		•				ng the pressure vessel ny manner for any persor	ıal			
ĺ	injury or property	/ dam	age or a loss	of any kin	d arising from or connec	ted with this	inspection.							
l	Date		Sign	ed				Commis	ssions		-			

(Authorized Inspector)

(Nat'l Board incl. endorsements, State, Province and No.)