



 $A0405032_Nameplate_03Feb10$



VESSEL INSPECTION SUMMARY

Report #: 141148-PM-22
Inspect Date: 02/03/2010
 Page: 1 of 4
IRISNDT #: 141148

Client:	CNRL	_	District:	St. A	Albert		F	ield:	Endiang
Facility:				nit / Skid #:					
Jurisdiction #:		32	Equip Tag #: _						115-90-96
CRN #:		.2	Nat'l Bd #:			_		Built:	
	Mar-quinn Indu		_	uipment Desc	ription	: 3 Phase \			
	In Service -			Removed From	•		•	ervice: Swe	et et
MAWP Shell:	1440 Psi	@ 100		nt/Length:			n.	Code Star	np: 🛛 Y 🔲 N
MAWP Tube:		@	Size/[Diameter.:	16	in. (O.D.	Insulat	ed: □Y ⊠N
MDMT:	-20 °F	RT: RT-2		Volume:	0.3	37 r	m³	PW	HT: □Y ⊠N
Support Type:	Skirt							Manw	ay: □Y ⊠N
C.A.:	1.6000 mn	n Coated:]Y	I: □ Y □ N	Access: 🗌 -				
Comp	onent	M	aterial	Nominal	Thk	Diamete	er OD/I	D Tube Si	de Shell Side
·	- Head		-516-70	20.700		406.000			
	- Shell		-310-70 -106-B			406.000			
	- Official	- OF	K-100-D	21.400	111111	+00.000	111111 00		
Comments:									
Comments.									
PSV Static Data									
PSV –1 Ta	a #·		Serial #	02093.CRN			CRN		
	el #: 78835131		Capacity:	02000.01.11				 : 1440 psi	
	ırer: Taylor		oupdony				e Company:		
	& Type: 1.00 i	n - Threaded					ervice Date:		
	& Type: 1.00 i				F	Block Valve			
	al Intact: Yes	11. 111100000	<u>'</u>		•		ode Stamp		
	/ Tube Side: SI	hell Side					tion of PSV:		
		Tion Cide							
PSV –2 Ta	-						CRN	:	
Mode	el #:		Capacity: _			Se	et Pressure:	:	
Manufactu						Service	e Company:		
Inlet Size	& Type:	-				Last Se	ervice Date:	:	
Outlet Size		-			E	Block Valve	:		
Carse	al Intact:					C	ode Stamp	•	
Shell Side	/ Tube Side:					Locat	tion of PSV:	:	
PSV Comments									
1 5 V Comments									
PSV is in good	condition with C	arseal intact.							
E211 06 Ctroot E	dmonton Alberta T6F 5	10 Dhono: (700) 42	7 2000 Fey (700) 400	1400					



VESSEL INSPECTION SUMMARY

Report #: 141148-PM-22
Inspect Date: 02/03/2010
 Page: 2 of 4
IRISNDT #: 141148

Client:	CNF	RL		_ LSD:	06-28-034-15W4	Jurisdiction	#:A(0405032	
External Inspection Results - VE									
Item	Υ	N	N/A	Condition	Comment	NCR	Action Item	Priority	
Nameplate				Accept					
Foundation and Supports	\boxtimes			Accept					
Anchor Bolts	\boxtimes			Accept					
Grounding	\boxtimes			Accept					
Insulation Condition									
PSV	\boxtimes			Accept					
Shell & Heads	\boxtimes			Accept					
Metal Surfaces (Paint)	\boxtimes			Accept					
Aux Equipment									
Cathodic Protection									
Alignment	\boxtimes			Accept					
Flange Connections				Accept					
Pressure Gauge				Accept					
Piping from Vessel				Accept					
Temperature Gauge				Accept					
Sight Glass				Accept					
Leaks		\boxtimes							
Current UT Survey	\boxtimes					UT	Company:		
Previous UT Survey						UT	Company:		
LEGEND: Priority 0 - General Recommendations Priority 1 - Goal date is 30 days from the activity date Priority 2 - Goal date is 90 days from the activity date.									
External Visual Observations	3				Manual Review Requi	ired By Cust	omer Represei	ntative -	
An external visual inspection was performed on vessel and the findings are as follows: The vessel was not operating at time of inspection but is connected and on standby. No process leaks or vibrations were noted. The paint on the shell is in good condition with very minor areas of paint flaking with mild general corrosion where metal is exposedfair condition. Inlet and outlet piping is in good condition with minor areas of paint flaking with mild general corrosion where metal is exposed concentrating around the threaded fittings. The skirt is secure and level. Under skirt bottom head and drain nozzle is 100% rust covered. The Pressure and Temperature gauge are clear and visible. Sight glass is clear and in good condition. External UT was performed with no significant wall losses noted. PSV is in good condition with Carseal intact. Refer to the attached photos, UT data and drawing for inspection findings. The vessel appears to be in good operating condition for continued service based on the external visual observations and UT thicknesses recorded.									

5311 – 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 Fax: (780) 438-1436

 Calgary
 (403) 279-6121

 Lloydminster
 (780) 875-6455

 Barhead
 (780) 674-3018

 Nisku
 (780) 955-7616

780) 438-1436

Cold Lake (780) 594-1114

Fort McMurray (780) 743-1536

High Level (780) 956-4094

Red Deer (403) 347-1742

Medicine Hat (403) 527-6284

Corpus Christi, TX (361) 888-4700
Deer Park, TX (281) 476-4444
Matrix, Houston, TX (713) 722-7177
Texas City, TX (490) 945-2262
Tulsa, OK (918) 446-8773



(403) 279-6121

(780) 875-6455 (780) 674-3018 (780) 955-7616

Calgary

Nisku

Lloydminster Barhead

VESSEL INSPECTION SUMMARY

Report #: 141148-PM-22
Inspect Date: 02/03/2010
Page: 3 of 4
IRISNDT #: 141148

		ъ.		_		14.4	II (IOND)			
				LSD: _	06-28-034-15	06-28-034-15W4 Jurisdiction #: A0405032				
Internal Inspection Results – VI										
Item	Υ	N	N/A	Condition	Comment	NCR	Action Iter	m Priority		
Shell										
Heads	Ħ									
Manway	〒	Ħ								
Gasket Surfaces	Ħ	Ħ								
Welds	Ħ	Ī								
Refractory	〒	Ħ								
Heating Coils	Ħ	Ħ								
Demister Pad	Ħ	Ħ								
Vane Pack	Ħ	Ħ								
Baffles	Ħ	Ħ								
Trays	〒	Ħ								
Filter	H	H								
Internal Coating	Ħ	H								
Tubesheet	H	Ħ								
Tube Bundle	H	H								
LEGEND:				<u> </u>						
Priority 0 - General Recommendations. Priority 1 - Goal date is 30 days from the activity date. Priority 2 - Goal date is 90 days from the activity date. Priority 2 - Goal date is 90 days from the activity date.										
Internal Visual Observations					Manual Re	view Required By Cu	stomer Represe	entative -		
5311 – 86 Street, Edmonton, Alberta	o TGE (ETO Dhoa	no: (790)	497-2022 East /780\	29 4426					

Cold Lake

Fort McMurray High Level Red Deer

Medicine Hat

(780) 594-1114

(780) 594-1114 (780) 743-1536 (780) 956-4094 (403) 347-1742 (403) 527-6284 (361) 888-4700

(281) 476-4444 (713) 722-7177 (490) 945-2262

Corpus Christi, TX

Deer Park, TX Matrix, Houston, TX Texas City, TX Tulsa, OK



VESSEL INSPECTION SUMMARY

Report #: 141148-PM-22
Inspect Date: 02/03/2010
 Page: 4 of 4
IRISNDT #: 141148

Clien	t:		CNRL		LSD	:	06-28-034-15W4 Juris			sdiction #:	A0405032
							Atta	ached t	o Vessel Inspectio	n Report#	
Additional Attach	ments	s :	# of page	es			Specify	•			
NDE	UT		MT 🔲	PT 🗌	ET	RT	. 🗆	OTHE	R 🗌		
NDE Report #:		NCR		Onerat	ional A	ction Ite		- Re	anair Action Item	Deferre	
Action Items / Re	acomr	menda	tione:	Орстат	ionai A					DCICITO	ed Action Item
7 totion nome / rec		Horrad		at regula							-
Contin	ide to	шэрс	01 103301	atrogulai	301100	idica irit	n vais.				
Actions Correcte	ed at 1	Time o	f Inspecti	On: (If actio	ns were	corrected a	at the time	of Inspe	ction – note the correcte	ed actions here.)	
											
Meets Code Crite	eria: -						R	te-Inspe	ection Required -		
Recommended	Inspe	ection	Intervals:								
VE Inspect.	La	ast Ins	pection:	-		Inte	erval (yr	s)		Next Inspectio	on: - 0000
VI Inspect.	La	ast Ins	pection:	-	•	Inte	erval (yr	s)		Next Inspectio	on: - 0000
UT Inspect.	La	ast Ins	pection:		•	Inte	erval (yr	s)		Next Inspectio	on: - 0000
PSV Service			pection:	-			erval (yr			Next Inspectio	
			- 1		- 11	Canau	mables:		Inspector:		
Unit #380		_	eters:	Lles		Consu	mables.		Pamela Maze		PESL:351
In <u>00:00</u> In 00:00		Out Out	00:00	Hrs					0 11	nt) Pamela Maze CN = Pamela Maze, C = CA	API: 28750/34396/2786
Personnel: MB									Jamela Maze	n2010.05.10 10:29:32 -06'00'	<i></i>
									Client Representative: I am in full	(Print)	
P.O.# / W.O.#/AFI	E#: _								agreement with report contents:	(Sign)	
5311 – 86 Street, E Calgary		n, Alberta 3) 279-61:		one: (780) 437	-2022 Fax	: (780) 438- Cold Lak		(780) 59	94-1114	Corpus Chris	sti, TX (361) 888-4700
Lloydminster Barhead	(780 (780	0) 875-64 0) 674-30	55 18			Fort McN High Lev	∕lurray ∕el	(780) 74 (780) 95	13-1536 56-4094	Deer Park, T Matrix, Housi	(281) 476-4444 ston, TX (713) 722-7177
Nisku	(780	0) 955-76	16			Red Dee Medicine		(403) 34 (403) 52		Texas City, T Tulsa, OK	TX (490) 945-2262 (918) 446-8773





A0405032_Overview_03Feb10