

VESSEL INSPECTION SUMMARY

Report #: 123790-MC-14 Inspect Date: 05/25/2010 Page: 1 of 6 IRISNDT #: 123790

			<u> </u>				
Client:	CNRI	L	District:	Med Hat We	est	Field:	Enchant
Facility:			Jnit / Skid #:			LSD:	02-06-013-15W4
Jurisdiction #:			quip Tag #: N/A			Serial #:	V2805
CRN #:	N9484.2	231	Nat'l Bd #:	N/A		Year Built:	1998
Manufacturer:	Opsco' 92		Equip	ment Description	n: DeHy Tower		
	In Service -			noved F <u>rom Serv</u>	rice: N/A	Service:	
_	1440 Psi				30 Ft.		Stamp: 🛛 Y 🔲 N
MAWP Tube:		@		meter.: 20		In	sulated:
MDMT:	-20 °F	RT: <u>RT-1</u>	V	olume: N	N/S		PWHT: ⊠Y □N
Support Type:	Skirt						∕lanway: ☐ Y ☒ N
C.A.: _	0.1250 in.	Coated: 🛚	Y N Clad:	JY⊠N J	I.E.: <u>N/A (No</u> Re	emote Access: [□
Compo	onent	Ma	iterial	Nominal Thk	Diameter	OD/ID Tub	pe Side Shell Side
	- Head	SA5	1670N	0.938 in.			
	- Shell	SA5	1670N	1.000 in.			
-							
-							
-							
Comments:							
PSV Static Data							
	#.		Comin # . 444	1500440		CDN: OCOO	00.50
PSV –1 Tag		007	Serial #: 44			CRN: OG236	
	el #: 26EA1312	057	Capacity: 56	47 SCFIVI		ressure: 1440	
Manufactu		in Florand				ompany: Tarpor ce Date: 04-08	1
	& Type: 1.00 i		_				
	& Type: 2.00 intact: Yes	n Flanged	_		Block Valve:	Stamp: Yes	
	/ Tube Side: S	hall Cida	<u> </u>			of PSV: Piping	
Shell Side	7 Tube Side. S	neli Side	<u> </u>		Location	or FSV. Fibring	
PSV –2 Tag	g #:					CRN:	
Mode	el #:		Capacity:		Set P	ressure:	
Manufactu					Service Co	mpany:	
Inlet Size	& Type:	-			Last Service	ce Date:	
Outlet Size	& Type:	-	<u> </u>		Block Valve:		
	al Intact:		_		Code	Stamp:	
Shell Side	/ Tube Side:		_		Location	of PSV:	
PSV Comments							
The PSV meets	code requirem	ents.					
5311 – 86 Street, E	dmonton, Alberta T6E 5	5T8 Phone: (780) 437	-2022 Fax: (780) 438-143	36			
Calgary Lloydminster	(403) 279-6121 (780) 875-6455		Cold Lake Fort McMur	(780) 594-111 rray (780) 743-153		Corpus Christi, Deer Park, TX	
Barhead Nisku	(780) 674-3018 (780) 955-7616		High Level Red Deer	(780) 956-409 (403) 347-174	94	Matrix, Houston Texas City, TX	n, TX (713) 722-7177
	,,			11/ - 11		,, , , ,	1. 1.7 1.1

Medicine Hat

(403) 527-6284

(918) 446-8773

Tulsa, OK



Calgary

Nisku

Lloydminster Barhead (403) 279-6121

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

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Client:	CNF	RL		LSD:	02-06-013-15W4	Jurisdiction	#· A	0439849	
		<u>`-</u>		_ LOD	02 00 010 10111	dansaiction	· π·		
External Inspection Results	- VE								
Item	Υ	Ν	N/A	Condition	Comment	NCR	Action Item	Priority	
Nameplate	\boxtimes		П	Accept	Legible	П			
Foundation and Supports	\boxtimes			Accept	Skirt secure				
Anchor Bolts	\boxtimes			Accept	Present and tight				
Grounding	\boxtimes			Accept	Indirect thru skid				
Insulation Condition			\boxtimes						
PSV	\boxtimes			Accept					
Shell & Heads	\boxtimes			Accept	No deformations				
Metal Surfaces (Paint)				Accept					
Aux Equipment			\boxtimes						
Cathodic Protection	$\overline{\sqcap}$		\boxtimes			П			
Alignment	\boxtimes			Accept	No concerns				
Flange Connections	\boxtimes		Ī	Accept		П			
Pressure Gauge	\boxtimes		Ē	Accept	0 psi				
Piping from Vessel	\boxtimes		Ī	Accept	- 1	П			
Temperature Gauge	\boxtimes		Ī	Accept	64 F	Ī			
Sight Glass	\boxtimes		Ī	Accept	Clear				
Leaks	$\overline{\sqcap}$	\boxtimes			No visible leaks	П			
Current UT Survey	\boxtimes		Ī		No significant loss noted	UT	Company: M	atrix	
Previous UT Survey	\boxtimes	$\overline{\Box}$	Ē				Company: M		
Priority 1 - Goal date is 30 Priority 2 - Goal date is 90	days			-	Priority 4 - Goal date				
External Visual Observations	3				Manual Review Requi	ired By Cust	omer Represe	entative -	
This vessel was in service at the time of inspection. The nameplate is legible. The external vessel surface is in satisfactory condition. No deformations were noted. The skirt is secure to the floor. The paint is in good condition. NPT connections are acceptable. Flange connections are tight and the treads are fully engaged. No leaks noted at the time of inspection. The PSV meets code requirements. UT was carried out with GE DMS2 IRISNDT#. 31074 Refer to the attached photos, UT data and drawing for details.									
5311 – 86 Street, Edmonton, Alberta	16F 5	Γ8 Phon	e: (780) 4:	37-2022 Fax: (78	(0) 438-1436				

Cold Lake

Fort McMurray High Level Red Deer

Medicine Hat

(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

(918) 446-8773

Corpus Christi, TX

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



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					- H & TT			IINIOND1#.	123730
Client:	CN	NRL		LS	D:	02-06-013-15W4	Jurisdiction	#:A	0439849
Internal Inspection Results – VI N/A (Not Applicable)									
Item	Υ	N	N/A	Condition	1	Comment	NCR	Action Item	Priority
Shell			\boxtimes						
Heads			\boxtimes						
Manway			\boxtimes						
Gasket Surfaces									
Welds			\boxtimes						
Refractory			\boxtimes						
Heating Coils			\boxtimes						
Demister Pad			\boxtimes						
Vane Pack			\boxtimes						
Baffles			\boxtimes						
Trays									
Filter			\boxtimes						
Internal Coating			\boxtimes						
Tubesheet									
Tube Bundle			\boxtimes						
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.									
Internal Visual Observations						Manual Review Require	ed By Custom	ner Represen	tative -
No internal inspection perf							-	·	
5311 – 86 Street, Edmonton, Alberta	a T6E :	5T8 Pho	one: (780)	437-2022 Fax: (780) 438-1436				
Calgary (403) 279-61 Lloydminster (780) 875-64 Barhead (780) 674-30 Nisku (780) 955-76	55 18				Cold Lake Fort McMurray High Level Red Deer Medicine Hat	(780) 594-1114 (780) 743-1536 (780) 956-4094 (403) 347-1742 (403) 527-6284	Dee Mat Tex	pus Christi, TX er Park, TX rix, Houston, TX as City, TX sa, OK	(361) 888-4700 (281) 476-4444 (713) 722-7177 (490) 945-2262 (918) 446-8773



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Client: CNRL LSD	22-06-013	-15W4 Juriso	diction #:A043984	,9
	Attache	ed to Vessel Inspection	Report #	
Additional Attachments # of pages	Specify	•	•	
NDE UT ⊠ MT □ PT □ ET	RT OT			
NDE Report #:				
Items Raised: NCR Operational A	ction Item	Repair Action Item	Deferred Action Item	n
Action Items / Recommendations:				
Monitor vessel and perform regulatory inspections as	s per code requirem	ents.		
Actions Corrected at Time of Inspection: (If actions were				
Actions Corrected at Time of Inspection. (If actions were	corrected at the time of in	spection – note the corrected	actions nere.)	
Meets Code Criteria: - Yes	Re-In	spection Required - N		
	1.10			
Recommended Inspection Intervals:				
VE Inspect. Last Inspection: -	Interval (yrs)		Next Inspection: - 000	00
VI Inspect. Last Inspection: -	Interval (yrs)		Next Inspection: - 000	00
UT Inspect. Last Inspection: -	Interval (yrs)		Next Inspection: - 000	00
PSV Service Last Inspection: -	Interval (yrs)		Next Inspection: - 000	00
	Consumables:	Inspector:		
Unit # Kilometers:	Consumables.	Mike Cadieux	PESL:	
InO:00OutO:00Hrs	-	(Print)		
InO::00 OutO::00 Hrs		(Sign)	API:	
Personnel:	-	Client Representative:		
DO II IMO WAFE II	-	I am in full agreement with	(Print)	
P.O.# / W.O.#/AFE #:		report contents:	(Sign)	
5311 – 86 Street, Edmonton, Alberta T6E 5T8 Phone: (780) 437-2022 Fax Calgary (403) 279-6121	Cold Lake (78	0) 594-1114	Corpus Christi, TX (361) 88	38-4700
Lloydminster (780) 875-6455 Barhead (780) 674-3018	High Level (78	0) 743-1536 0) 956-4094	Deer Park, TX (281) 47 Matrix, Houston, TX (713) 72	22-7177
Nisku (780) 955-7616	Red Deer (40	3) 347-1742 3) 527-6284	Texas City, TX (490) 94 Tulsa, OK (918) 44	45-2262



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Equipment Photographs:



Fig1_Nameplate_05-2010



Fig2_A0439849 ext_05-2010

(361) 888-4700

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Fig2_A0439849 int_05-2010