





Field Inspection Report

Client	CNRL		Date of Inspection	March 30, 2012					
Prov. Reg.#	A0437520		Inspection Type	VE & UT					
Equipment	Dehy Tower		Location	Grand Forks					
Tag/Equip. #	V-480		LSD	10-22-012-14W4M					
Vessel Status	Not In Service		Comp./Unit #						
Manufacturer	Opsco '92 Industries Ltd		MAWP / Temp	1440 PSIG @ 120 F					
Serial #	V-2810A2	CRN #	L 0916.213	MDMT@ Pressure	-20 F @ 1440 PSIG				
Corrosion Allowance	0.125"	Shell Material	SA-516-70N	Shell Thickness	1.125"				
Year Built	1998	Head Material	SA-516-70N	Head Thickness	1.140"				
Diameter	24" OD	Length		Height	26'	RT	RT-1	HT	Yes
Service	Sour	Next Inspection		Next Insp. Type					
ASME Stamp	Yes	Next Inspection		Next Insp. Type					
PSV Tag #		CRN#		OG 2369.5C	Set Pressure	1440 PSIG			
Manufacturer	Farris			NB#		ASME Stamp			
Type/Model		Serial	44158-5-A10	Inlet Size	1.5"				
Capacity	9312 SCFM	Service Company	Tarpon	Outlet Size	2"				
Service Date	June 2010		Next Service Date						
Valve Location	On Vessel • On Piping Vents to Flare Vents to Atmosphere	Valve Connection	Threaded • Flanged Welded	ABSA CODE TYPE					
				Plant		Process			
				Vessel		Special			
PSV Tag #		CRN#		Set Pressure					
Manufacturer		NB#		NB#		ASME Stamp			
Type/Model		Serial #		Inlet Size					
Capacity		Service Company		Outlet Size					
Service Date			Next Service Date						
Valve Location	On Vessel On Piping Vents to Flare Vents to Atmosphere	Valve Connection	Threaded Flanged Welded						

Manway: None.

Background:

PSV: Service date and Set pressure acceptable with no restriction between the valve and vessel.



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Ladders, Stairs, Platforms & Walkways

Corroded or Broken Parts-
Condition of Coating-
Wear of Ladder Rungs & Stair Treads-
Handrails Secure-
Condition of Flooring on Walkways-
Check Tightness of Bolts-
Check for Corrosion-
Additional comments:

Concrete Supports and Foundations

Steel Supports (Skirts, Bracing)
Check for Corrosion-
Check for Buckling & deflection-
Check Vessel Supports for Tightness-
Check Insulation for Deterioration-
Additional Comments:

Nozzles

Check for Distortion-
If Found; Check Surrounding Shell and Seams for cracks-
Check Condition of Connected Piping and Supports-
Check Condition of Weep Holes in re-pads-
Additional comments:

Electrical, Instrumentation & Grounding Equipment

Sept./06 Check General Condition of Associated Electrical Equipment-
Check General Condition of Associated Instrumentation-
Check Grounding Connections-
Additional comments:

Auxiliary Equipment

Check Gauges and Sensor connections for Defects, Damage, Cracks & Vibration-
Check Sight Glasses for defects, Damage, Cracks & Vibration-
Check Condition and Operation of Associated Valves-
Additional comments:

Metal Surfaces

Check for Corroded Areas-
Check for Cracks at Weld Seams and Nozzles-
Check for Blistering at and below liquid Level-

Internals

Inspection conducted -
Check bubble or step trays for condition
Check vane packing for plugging or mechanical damage
Check down-comers, overflow lines.
Check weirs, baffles, mist pads and coils-
Additional Comments:



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Protective: Coatings / Insulation / Cathodic

Check for External Coating Failure-

Check for internal coating –

General Comment's: Dehy Tower was found to be in good general condition. Vessel NOT in service.

External Inspection:

- Name plate was attached and readable.
- External paint was in good condition with slight external corrosion present on bottom head inside the skirt in the form of rusting.
- Vessel is supported on a skirt, bottom head to skirt weld was in good shape.
- Skirt was bolted securely to the floor.
- All external nozzles were in good condition, no leaking flanges, gaskets, or threaded connections.
- Seal weld to shell, seal weld to nozzle welds intact with slight surface corrosion noted in form of rusting.
- All bolting hardware was intact.
- Liquid level sight glass was in good shape with no cracks or leaks.
- No deflection or deformation of the shell, heads or nozzles.
- Shell to roof interface seal was in good shape with no corrosion noted.
- All associated piping was intact and secure.
- Vessel is grounded to the building; ground cable was in good shape.
- UT survey found no areas of concern, see attached UT Report.

Internal inspection:

- No internal inspection was carried out at this time.

Recommendations:

Continue to carry out visual inspections and UT Corrosion surveys at the required inspection frequency.

Dehy Tower is fit for service.

X

Blair Verge

Verge's Inspection Services Ltd.

Inspector(s) Blair Verge API 510 Certification #24212

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A0437520_Name plate_30Mar2012



A0437520_Lower shell_30Mar2012



A0437520_Shell to roof interface_30Mar2012



A0437520_Supported securely_30Mar2012



Field Inspection Report



A0437520_Bottom head inside skirt_30Mar2012



A0437520_Upper shell_30Mar2012