

Pressure Equipment Integrity Management System External Inspection Form

Owner:	EOG Canada C	il and Gas	District / Facility:	Northeast	BC / Maxhamish	
Location (LSD) ♦:	D-36-I/94-O-14		Surface Location:			
Vessel Data						
A Number + :	586792 (PV124	750)	Serial Number +:	01-0141-1	1	
CRN ♦:	U5433.213		Vessel Type:	Separator		
Description ♦:	Dehy 2 Glycol (Contactor	Skid / Process:	Dehy 2		
Tag No:	V-600, 6760EO	G, BF5840	Current Status:	In Service)	
Course #1 (Main)						
Orientation:	Vertical		Coated?	No	Туре:	
Fluids:			Anodes?	No	Туре:	Quantity:
Sour♦?	No		Hand Holes?	No		
Manufacturer :	Opsco Industrie	es Ltd.	Manway?	No		Size:
MAWP +:	2152 psi		MAWP Temp:	130 °F		MDMT: -20 °F
Shell Material:	SA-516-70N		Nom. Shell Thick:	2 in		
Head Material:	SA-516-70N		- Min. Head Thick:	1.91 in		
Diameter:	36 in OD		Length:	312 in		
Year Built♦:	2008	Installation Date ♦ :	Corrosion Allow:	0.125 in		
Volume:			Stress Relieved?	Yes		
Radiography:	RT1		ABSA Grade:	2		
Course #2						
Description:	Dehy 2 Glycol (Contactor Coil	Course Type:			
Fluids:			Sour?	No		
MAWP:	2152 psi		MAWP Temp:	130 °F		
Tube/Shell Material:			Nom. T/S Thick:			
Head Material:			- Min. Head Thick:			
Diameter:			Length:			
 PRV #1	Course # 1	PRV Location or Position:	Dehy 2 Glycol Cont	actor upper s	shell (outside)	
Serial No ♦:	526496-1-A10		Model No:	26JA14-1		
Set Pressure ♦:	1440 psi		Ports:	3" J 4"		
Capacity:	35584 scfm		Manufacturer:	Farris		
Service date ♦ :	Jun 10, 2013	By: PIMMS	- Car Seal #:			
Block Valve?	No	Install Date:	Tag no:	6760		
PRV #2	Course #	PRV Location or Position:				
Serial No:			Model No:			
Set Pressure:			Ports:			
Capacity:			Manufacturer:			
Service date:		By:	Car Seal #:			
Block Valve?		Install Date:	Tag no:			
Comments:		ED_x000D_LENGTH: NO ACCESS_x000	D PSV TAGS ARE 4	TTACHED -	ΤΟ ΝΑΜΕΡΙ ΑΤΕ ΤΛ	AGS X000D PIC: 0005 -
		NO ACCESS TO PSV				

NORTHERN MATERIALS	Pressure Equipment Integrity Management System External Inspection Form						Form F01-03 ersion 002.06 Page 2 of 4			
A#: 586792 (PV124750)	Ve	essel Desc	ription: Dehy 2 G	lycol Contactor	Locat	tion (LSD):	D-36-	/94-0-14		
External Visual Inspect	ion - Vessel									
	<u>Okay</u>		<u>Comment</u>				<u>Okay</u>		<u>Comment</u>	
Name Plate Accessible:	\boxtimes				Paint/Coating C	ondition:	\boxtimes			
Piping Connections Made:	\boxtimes				Insulation Cond	lition:	\boxtimes	Wrapped outsid	de skid	
Inspection Access (i.e. skirt): 🛛				External Surface	e Condition:	\boxtimes			
Bolting Check:	\boxtimes	Water di	scharge flange nut	s are flush	Foundation:		\boxtimes	Bolted		
Leaks/Drips/Seeping:	\boxtimes				Bending/Warpir	ng/Distortion	\geq			
Dents:	\boxtimes				Cuts/Gouges:		\boxtimes			
Ladders/Walkways:	\boxtimes				Ground Wire Co	onnection:	\boxtimes			
Condition of Gauges:	\boxtimes				Other Equipmer	nt:	\boxtimes			
Observed operating pressu	re (shell):	0	\boxtimes	psi 🗌 kPa	Gauge Range (shell):		0 to 2000	⊠ps	i□kPa
Observed operating pressu	re (tube):			psi 🗌 kPa	Gauge Range (tube):			□ps	i □kPa
Observed operating temper	ature (shell):	0		°F⊠°C	Gauge Range (shell):		-20 to 120	□°F	N∘C
Observed operating temper	ature (tube):			°F 🗌 °C	Gauge Range (tube):			□°F	C°□
Detailed Observations/No		s:				,				
O/S at time of inspection		-								
External Visual Inspect	ion - Piping									
	<u>Okay</u>		<u>Comment</u>				<u>Okay</u>		Comment	
Bolting Check:	\boxtimes	Inlet has	bolts with 1 thread	d not engaged	Insulation Cond	ition:		N/A		
Paint/Coating Condition:	\boxtimes				Check for dead	legs:	\boxtimes			
Leaks/Drips/Seeping:	\boxtimes				Bending/Warpin	ng/Distortion				
Dents:	\boxtimes				Cuts/Gouges:		\boxtimes			
Supports:	\boxtimes				Misalignment:		\boxtimes			
External Visual Inspect	ion – PRV(s)									
·	<u>Okay</u>		Comment				<u>Okay</u>		Comment	
PRV Piping Check:					Flare Line Slope	e Check:	\boxtimes			
Damage/Leaks:					Seals Intact:					
Weather Protection:					Lifting Lever Ac	ceptable:				
·····										
Vessel MAWP	PRV Set Press		PRV Capacity	PRV Size	Last Service Date	Service	d By	Block Valve Present?	Locked Open?	Reportable?
ା ଅନ୍ତର ଅଗରେ ଅନ୍ତର୍ଯ୍ୟ	1 1440 p	si	35584 scfm	3" J 4"	Jun 10, 2013	PIMM	s	No	No	Yes
 2152 psi #2	Open t	0			0011 10, 2010					
PRV Check: OK - PF		e is not ar	eater than vessel N	MAWP	PRV i	is set too hic	ıh. Res	set PRV to vesse	el MAWP.	
Detailed Observations/No	-	-								
PRV being serviced at time										

Form generated by EITigre, a product of Northern Materials Engineering Inc.

NORTHER AND	NME Form F01-03 Version 002.06 Page 3 of 4			
A#: <u>586792 (PV124750)</u>	Vessel Description: Dehy 2 G	lycol Contactor Location	(LSD): <u>D-36-I/94-O-14</u>	1 490 0 01 1
Action Item(s) Identified?	☐ Yes ⊠ No If yes, indicate required w	vork and RA #:	Field Tag #:	
inspection have determined	spection is restricted to the items detailed the external condition of this equipment to with the identified action items resolved befo	be:		equipment. Results of this
	ble until the identified action items are resolved		uned by Date .	
Inspector Name:	Joey Poapst	Inspector Company:	Northern Materials Engine	ering
Inspector Signature:	Moope	Inspection Date:	Oct 12, 2017	
	VESSELT PE CERTIFIED BY DOSCO MA.R.W.P. 2. M.A.W.P. 2.	P.S.I. AT P.S.I. AT	-600 130 °F. 130 F	

Documentation

Documents Acquired:

Name Plate Information is correct?

Design is registered in province (CRN)?

🖾 Manufacturer's Data Report (U-1A)			Surisdictional Operating Permit / Licence
⊠Yes	□No	To be completed	through routine ABSA reporting process
⊠Yes	□No,	Generate an Action Item	and arrange for design registration

Form generated by EITigre, a product of Northern Materials Engineering Inc.

NORTHERN NATERIALS		t Integrity Manageme al Inspection Form	nt System	NME Form F01-03 Version 002.06 Page 4 of 4
A#: <u>586792 (PV124750)</u> Ves	sel Description: Dehy 2 Glyco	l Contactor Locatio	n (LSD): <u>D-36-I/94-O-14</u>	
Service Conditions				
Process Fluids Description:	Sour	Produced Water	OWE	Solids
	Condensed Water	Propane	Air	Frac. Sand
	Liquid Hydrocarbon	Glycol	⊠NG	
Potential Mode(s) of Deterioration:	⊠ Pitting		High Temp	Sulphidation
	General Corrosion	Erosion	Cavitation	Under Deposit Corr.
	External Atm. Corrosion	Under Insulation	Mechanical Damage	
Cracking>	□scc	Hydrogen	Fatigue	Other
Area(s) Most Likely to Deteriorate:	Top Head	Bottom Head	Nozzles	Welds
	Attachments	Shell (lower)	Shell (Upper)	Shell (other)
	Tubes	Piping (inlet)	Piping (outlet)	Piping (drain)
Current Mitigation Program?	Yes ⊠No (if yes, describe)			
Other Considerations?	(if yes, describe)			
Additional Process Monitoring	Yes 🛛 No (if yes, descr	ibe in area below or attach de	tails)	
Fluids Sample (Type / Frequency / Analysis	Req'd)			
Corrosion Monitoring (Coupons / Probes)	.,			
Other (describe)				
Inspection History (Complete this section if the vessel is new a	and a baseline inspection was o	completed or if the vessel is us	ed)	
Inspection Company:		Last Inspection Da	te:	
Inspection – Plan Assigned Grade	2 Previous Grade 1	(if Assigned Grade differs fro	m Previous Grade explain in	Notes section below)
Activity Required Ye	<u>s No Interval</u> (years)	<u>Due Date</u> (dd / mmm / yy)	Comment	ts / Justification
Offline Internal Visual				
UT Inspection] 5	12 / Jun / 18		
Crack Inspection				
Additional Inspection(s)				
External Visual	5	12 / Oct / 22		
PRV service interval	5	10 / Jun / 18		
Notes				
Complete if Assessor is different that	in Inspector			
Assessor Name:		Company:		
Assessor Signature:		Assessment Date:		
Report Certification				
Report Certified By (signature):	A Contraction of the second seco	Certificate No:	64230	API

Form generated b	v ElTigre, a	product of Northern	Materials E	naineerina	ı Inc