		anadian Natural AL PRESSURE				RTI	D 10.116029		
District: Fort St. John	n, BC	Skid No.	Skid No.						
Facility: Flatrock Co			Location (LSD): 15-20-85-17 W6M						
	ipment Number: HP Flare Kn	ockout	Location (1	352). 13 20 (55 17 11 011	•			
	=	ockout							
Orientation: Horizon	ntal								
Status: In Service		_	Regulatory Inspection						
(4 A II				AMEPLATE DATA					
"A" or "G" or "S" (S	Sask.) or BC Registration Nun	CRN Num	ber						
	C 73501 (No Data Plate)		Non Code						
Vessel serial number	·	Size: 30 ir	Size: 30 in x 7 ft						
Shell thickness:			Shell mate	rial:					
Head thickness:			Head mate	rial:					
Tube wall thickness:			Tube mate	Tube material:					
Tube diameter:		Tube lengt	Tube length:						
Channel thickness:			Channel material:						
	Shell:			Shell:					
MAWP		Operating	Operating pressure						
	Tubes:								
Design Temp.	Shell:	Operating	Operating temperature						
	Tubes:								
X-ray:		Heat treatm	Tubes: Heat treatment:						
	SME Section VIII Div 1		Joint efficiency (if on nameplate):						
Manufacturer: Torna			Year built:						
Corrosion allowance				Manway: No					
PRESSURE SAFETY VALVE NAMEPLATE DATA									
Tag Number(s)	Manufacturer /Model / Serial# and Code Stamp	Set Pressure (PSI)	Capacity (Scfm)	Size	Block Valve	Location	Serv by / Date		
No PSV									
	SERVICE C	CONDTIONS-IN	DICATE ALL	THAT APP	LY		-		
Sweet	Sour X	Oil		Gas X		Water X			
Amine	LPG	Condensate		Air	Air				
Other (Describe):									
Inspection Interval (Determined by MIC in con Reports reviewed and accep Mechanical Integrity		ring guidelines of Can	_PSV Service adian Natural Resou	rces Limited Ov	vner-User Insp Pate	pection Program)			

Fill out all forms as completely as possible. <u>All information</u> is important! Use back of sheets to record additional information or sketch if required. Copy of report to be filed by MIC at site, and copy sent to Chief Inspector

External Inspection Items	G	F	P	N/A	Comments
Insulation Verify sealed around manways,				37	
nozzles, no damage present, and there is no				X	
egress of moisture. Are straps secured?					
External Condition Assess paint condition,	37				Paint is in good condition. Surface corrosion present on bottom
areas peeling, record any corrosion, damage,	X				shell, no pitting.
distortion etc (record location, size and depth					
of corrosion or damage)					NY. 11
Leakage Record any leakage at flanges,	37				No leaks observed.
threaded joints, weep holes on repads, etc.	X				
Skirt: Assess condition of paint, fire					Saddle: Paint is in overall good condition. Surface corrosion
protection, and concrete. Look for corrosion,	37				present on base of saddle. No pitting. No sign of leakage at
buckling, dents, etc. Look at vessel surface	X				attachment weld. Ground wire attached to skid.
area near supports. Verify no signs of leakage at attachment to vessel and attachment welds					
are acceptable. Is ground wire attached?					
Anchor Bolts Hammer tap to ensure secure.	v				Vaccal in Complex could add to abid
Look for corrosion, cracking in threads or signs of deformation.	X				Vessel is firmly welded to skid.
Concrete foundation Check for cracks,				X	
spalling, etc.				Λ	
Ladder / Platform Describe general					
condition, ensure support is secure to vessel,				X	
and describe any hazards.				Λ	
Nozzle Assess paint, look for leakage, and					Stud threads are fully engaged to nuts – no short bolts.
ensure stud threads are fully engaged. Record	X				No damage or deflections observed – no leaks.
any damage, deflection, etc. Are nozzles	Λ				No gussets.
gusseted? Inspect gussets for cracking.					No gussets.
Gauges Ensure gauges are visible, working,					No gauges.
no leakage, and suitable for range of MAWP/				X	No gauges.
Temp.				Λ	
External Piping Ensure pipe is well					All piping is well supported; all clamps in place.
supported. All clamps, supports, shoes, etc. in					No structural overloads or deflections noted.
place. Look for evidence of structural	X				Paint is in good condition. Minor surface corrosion present. No
overload, deflection, etc. Paint condition,	Λ				pitting.
external corrosion?					pitting.
Valving Ensure no leaks are visible. Valves					Well supported – no leaking.
are properly supported and chained if	X				wen supported – no leaking.
necessary.	71				
PSV Ensure PSV is set at pressure at or below					No PSV.
that of vessel. Discharge piping is same size as					110151.
valve outlet and is properly supported and					
routed. Are psv seals in place? Ensure no				X	
block valves between psv and vessel, or if				1.	
there is that they are locked/sealed open.					
NDE methods Was UT/ MPI done on vessel	X				UT thickness survey carried out – no metal thickness detected
(MI coordinator to review results)	-				below nominal minus corrosion allowance.
(1.11 tooldinator to review results)	<u> </u>			L	COLON MODIFICATION OF COLONIA MILEON COLONIA MILEON

Recommendations or corrective actions: (Vessel is Fit for Service or describe corrective actions required)

(MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented)

Recommendations: Grit blast and repaint bottom shell and piping where corrosion present.

Summary: Vessel is in overall good condition, visual external inspection and ultrasonic corrosion survey performed - no metal thickness detected below nominal minus corrosion allowance.

Corrosion rate based on greatest thickness loss – no corrosion rate to assess.

Vessel is fit for service.

API 20981

Inspected By: Dellas Wiedman // Justin Smith

Date: April 01, 2015

Photo Table



