District: Fort St. John BC. Skid No.							
	Skid No.						
Facility: Jedney Gas Plant Location (LSD): a-62-E/94-G-8							
• •							
Vessel Name Equipment Number: Flare Knockout Drum							
Orientation: Horizontal							
Status: In Service Regulatory Inspection PRESSURE VESSEL NAMEDIATE DATA							
*A" or "G" or "S" (Sask.) or BC Registration Number. CRN Number:							
A of G of S (Sask.) of BC Registration Number.	CKN Number.						
C 35076 None code							
	Size: 72 in. x 12 ft.						
	Shell material: SA 516 70N						
	Head material: SA 516 70N						
	Tube material:						
Tube diameter: Tube length:							
	Channel material:						
Design pressure Shell: 14.7 PSI Operating pressure Shell:	Shell:						
Tubes: Tubes:	Tubes:						
Shell: 100 Deg F Operating temperature Shell:	Shell:						
Design Temp. Tubes: Operating temperature Tubes:	Tubos						
	Heat treatment: Nil						
Code parameters: Non Code Coated: No							
I							
v v	Year built: 1998						
7							
PRESSURE SAFETY VALVE NAMEPLATE DATA							
PSV Tag # Manufacture Model # Serial # Set Pressure Capaci	y Service						
(kPa) (scfm	Date						
Vents to flare – no PSV							
CRN# Service By Block Valve Location Size Code Sta	mp						
SERVICE CONDITIONS-INDICATE ALL THAT APPLY							
SERVICE CONDITIONS-INDICATE ALL THAT ATTET	<u> </u>						
Sweet Sour X Oil Gas X	Water X						
Amine LPG Condensate X Air	Glycol						
Other (Describe):							
Inspection IntervalPSV Service Interval							
(Determined by MIC in conjunction with Chief Inspector following guidelines of CNRL Owner-User Inspection Program)							
Reports reviewed and accepted by: Mechanical Integrity Coordinator							

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
		1	•	14/11	
Insulation Verify sealed around manways,					No damage present- no egress of moisture.
nozzles, no damage present, and there is no	X				Sealed around nozzles and manway
egress of moisture.					
External Condition Assess paint condition,					Vessel is not painted.
areas peeling, record any corrosion, damage,				X	
etc (record location, size and depth of					
corrosion or damage)					N. 1 1 1 1
Leakage Record any leakage at flanges,	X				No leaks observed.
threaded joints, weep holes on repads, etc. Saddle/Skirt Assess condition of paint, fire					Saddles: welded directly to skid frame – skid frame welded
protection, concrete. Look for corrosion,					to pilings.
buckling, dents, etc. Look at vessel surface					No buckling or dents.
area near supports. Verify no signs of leakage	X				No corrosion at attachment welds to vessel.
at attachment to vessel and attachment welds					Ground wire attached to skid frame.
are acceptable. Ground wire attached?					Ground wife accepted to sind frame.
Anchor Bolts Hammer tap to ensure secure.					Welded to pilings
Look for cracking in treads or signs of	X				1 8
deformation.					
Concrete foundation Check for cracks,				v	
spalling, etc.				X	
Ladder / Platform Describe general					
condition, ensure support is secure to vessel,				X	
describe any hazards.					
Nozzle Assess paint, look for leakage, and					Stud threads are fully engaged to nuts.
ensure stud threads are fully engaged. Record	X				No leaks observed.
any damage, deflection, etc. Are nozzles	11				No damage or deflections.
gusseted?					Nozzles are not gusseted.
Gauges Ensure gauges are visible, working,					N.T.
no leakage, and suitable for range of MAWP/				X	No gauges on vessel.
Temp.					
External Piping Ensure pipe is well					Piping is well supported – all clamps and supports are in
supported. All clamps, supports, shoes, etc. in	3 7				place.
place. Look for evidence of structural	X				No structural overloads or deflections.
overload, deflection, etc. Paint condition,					Piping insulated- no damage present – cladding in place
external corrosion? Valving Ensure no leaks are visible. Valves					and secure. No leaks are visible.
are properly supported and chained if	X				Valves are supported properly.
necessary.	*				, are supported property.
PSV Ensure PSV is set at pressure at or below					Vent to flare.
that of vessel.				X	
NDE methods Was UT/ MPI done on vessel					Ultrasonic thickness survey carried out - no metal
(MI coordinator to review results)	X				thickness detected below nominal minus corrosion
			L		allowance.
Other					

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: No recommendations at this time

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

Short term corrosion rate based on greatest thickness loss (head) 0.250mm per year. Retirement Date to "T"min is year 2044.

Vessel is fit for service.

Photo Table









vessel overview