

EC - change insp. interval to 12 mo.

ConocoPhillips Canada

GENERAL PRESSURE VESSEL INFORMATION

District: Grande Prairie, AB		Skid No.	
Facility: Ladyfern Gas Gathering		Location (LSD): 04 - 30 - 94 - 12 - W6M	
Vessel Name & Equipment Number: Sweetening Tower			
Orientation: Vertical			
Status: Operating		Regulatory Inspection	
PRESSURE VESSEL NAMEPLATE DATA			
"A" or "G" or "S" (Sask.) or BC Registration Number. A 481551		CRN Number P 7904.2	
Vessel serial number: 2002-011-6A		Size (diameter x length- estimate if necessary): 60 in. x 24 ft.	
Shell thickness: 76.2 mm		Shell material: SA 516 70 N	
Head thickness: 73.0 mm		Head material: SA 516 70 N	
Tube wall thickness:		Tube material:	
Tube diameter:		Tube length:	
Channel thickness:		Channel material:	
Design pressure	Shell: 1440 Psi	Operating pressure	Shell:
	Tubes:		Tubes:
Design Temp.	Shell: 100 deg F	Operating temperature	Shell:
	Tubes:		Tubes:
X-ray: RT 1		Heat treatment: HT	
Code parameters: ASME VIII / Div 1		Joint efficiency (if on nameplate):	
Manufacturer: Kanbuilt		Year built: 2002	
Corrosion allowance: 3.2 mm		Manway? Yes X	

PRESSURE SAFETY VALVE NAMEPLATE DATA

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model /Ser# and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side G#613462 C.613408	1440Psi	OG 2369.5C	Farris / 26EA13-120 AL/ CE-20383-A10 / UV	5657	1 X 2	June 05 I.P.V.
Tube Side						

SERVICE CONDITIONS-INDICATE ALL THAT APPLY

Sweet	Sour X	Oil	Gas X	Water
Amine	LPG	Condensate	Air	Glycol

Other (Describe):

Inspection Interval 12 mo. PSV Service Interval As Per Maxittrak
 (Determined by MIC in conjunction with Chief Inspector following guidelines of Conoco-Phillips Owner-User Inspection Program)
 Reports reviewed and accepted by: Barry Throness
 Mechanical Integrity Coordinator PESL Cert # 77 Date APR 01 2006

Fill out all forms as completely as possible. All information 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 A 406900	G	F	P	N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no ingress of moisture.	X				100% insulated – No open or torn sections.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)				X	Vessel is insulated.
Leakage Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				No leaking detected.
Saddle Assess condition of paint, fire protection, concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Ground wire attached?	X				Good condition, no distortion, firmly bolted to platform on pilings. Attachment welds are in good condition. Ground cable attached to pilings.
Anchor Bolts Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				Firmly bolted to platform.
Concrete foundation Check for cracks, spalling, etc.				X	Platform deck sits on pilings.
Ladder / Platform Describe general condition, ensure support is secure to vessel, describe any hazards.				X	Good condition, no loose or missing sections – platform attached to vessel.
Nozzle Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				No deflection or leaking. Nozzles are not gusseted.
Gauges Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/Temp.	X				No gages on vessel.
External Piping Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?	X				Well supported, all shoes in place.
Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				No leaks – chains not required.
PSV Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as inlet to valve and is properly supported and routed. Ensure no block valves between psv and vessel or if there are they are locked open.	X				Located on inlet piping – set at MAWP of vessel.
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)				X	Ultrasonic thickness survey carried out – no metal thickness detected below nominal.
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)					

Inspected By: D. Wiedman

Date: Feb 3 – 2006

Sweetening Tower – A 481551

