

GENERAL PRESSURE INFORMATION

District: _____ **Skid No. 6549**
Facility: Hamburg GAS GATHERING **Location (LSD) 04-30-94-12W6**
Vessel Name & Equipment Number: Sweetening Tower

Orientation: VERTICAL

Status: OPERATING

PRESSURE VESSEL NAMEPLATE DATA

"A" or "G" or "S" (Sask.) or BC Registration Number. A481551		CRN Number P 7904.2	
Vessel serial number:	2002-011-6A	Size (diameter x length – estimate if necessary):	Aprox 8' x 33'
Shell thickness:	3.0"	Shell material:	SA 516 70N
Head thickness:		Head material:	
Tube wall thickness:		Tube material:	
Tube diameter:		Tube length:	
Channel thickness:		Channel material:	
Design pressure	Shell: 1440 psi	Operating pressure	Shell: psi
	Tubes:		Tubes:
Design Temperature	Shell: 125 °F	Operating temperature	Shell: °C
	Tubes: °C		Tubes: °C
X-ray:	RT 1	Heat Treatment:	HT
Code parameters:	Asme VIII Div I	Joint efficiency (if on nameplate):	
Manufacturer:	Kanbuilt Industries INC	Year built:	2002
Corrosion Allowance:	0.125"	Manway? Yes or No	YES

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# 601981 ✓ <i>PSV has been replace with G613408. 12/03/04 AR</i>	1440 psi	OG2369.5C	Farris / 26EA12-120/S7 / 440159 1-A10 / UV	5657	1 x 2	03/02
Tube Side G#	kPA		/ / /		x	

SERVICE CONDITIONS-INDICATE ALL THAT APPLY

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

Other (Describe): _____

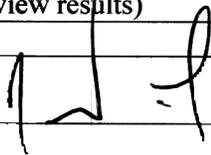
Inspection Interval 12 mo. **PSV Service Interval** As Per Maxitrol
 (Determined by MIC in conjunction with Chief Inspector following guidelines of Consensus Owner-User Inspection Program)

Reports reviewed and accepted by: Barry Throness **PESL Cert # 77** Date FEB 11 2005
Mechanical Integrity Coordinator _____

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

External Inspection Items A481551: Sweetening Tower	Good / Fair Poor / N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.	Good	Insulation sealed around manways, no visible damage, no visible egress of moisture.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, etc (record location size and depth of corrosion or damage)	Good	Paint in good condition, no areas of corrosion or damage. No visible signs of leakage.
Leakage Record any leakage at flanges threaded joints, weep holes on repads, etc.	Good	No visible signs of leakage.
Skirt/ 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?	Good	No dings or dents, vessel bolted to skid, skid ground wire attached.
Anchor Bolts Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	Good	Bolts secure
Concrete foundation Check for cracks, spalling, etc.	Good	Skid package welded to 6" steel pylons, no visible deformation
Ladder/ Platform Describe general condition, ensure support is secure to vessel, describe any hazards.	Good	Ladder in good condition, supports are secured to vessel. No visible hazards.
Nozzle Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles	Good	No visible signs of leakage, studs are fully engaged. No visible damage.
Gauges Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.	N/A	
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.	Good	Piping well supported, no evidence of structural overload. Paint in good condition.
Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.	Good	No visible leakage
PSV Ensure PSV is set at pressure at or below that of the 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 any they are locked open.	Good	Vessel 1440 psi PSV 1440 psi PSV located on top head of vessel
NDE methods Was UT/MPI on vessel (MI coordinator to review results)	Good	UT
Other		

Inspected By:



Date 20 Nov 2004

ConocoPhillips

Managing Partner of ConocoPhillips Western Canada Partnership

VISUAL EXTERNAL REPORT

A#:	481551
Name:	Sweetening Tower
LOC:	Hamburg Field
LSD:	04-30-94-12-W6M
Picture 1:	Nameplate
Picture 2:	Vessel Overview

