

Canadian Natural Resources Limited GENERAL PRESSURE VESSEL INFORMATION						
District: Ft St John B.C.			Skid No.			
Facility: Beg Main Compressor Station			Location (LSD): b – 13 – B / 94 – G – 1			
Vessel Name & Equipment Number: Fuel Gas Scrubber						
Orientation: Vertical						
Status: Operating			Regulatory Inspection			
PRESSURE VESSEL NAMEPLATE DATA						
Registration Number A 408372			CRN Number K 9874.231			
Vessel serial number: 60564 – 200			Size: 24 in. OD x 90 in. S/S			
Shell thickness: 9.5 mm			Shell material: SA 106 B			
Head thickness: 9.3 mm			Head material: SA 516 70 N			
Tube wall thickness:			Tube material:			
Tube diameter:			Tube length:			
Channel thickness:			Channel material:			
Design pressure	Shell: 1724 Kpa		Operating pressure	Shell:		
	Tubes:			Tubes:		
Design Temp.	Shell: 38 deg C		Operating temperature	Shell:		
	Tubes:			Tubes:		
X-ray: RT 3			Heat treatment: Nil			
Code parameters: ASME VIII / Div 1			Coated: No			
Manufacturer: NUSCO			Year built: 1996			
Corrosion allowance: 1.6 mm			Manway: No			
PRESSURE SAFETY VALVE NAMEPLATE DATA						
PSV Tag no.	Manufacture	Model	Serial number	Set Pressure	Capacity	Size
4629F	Mercer	8143251V11G11	A84030	862 Kpa	1097 Scfm	2 in. x 2 in.
Serv By	Date	Block Valve	CRN number	Code Stamp	Location	
Unified	May 03	No	OG 2606.5C	UV	Upper Shell	
SERVICE CONDITONS-INDICATE ALL THAT APPLY						
Sweet X	Sour		Oil		Gas X	Water X
Amine	LPG		Condensate		Air	Glycol
Other (Describe):						

Inspection Interval _____ **PSV Service Interval** _____
 (Determined by MIC in conjunction with Chief Inspector following guidelines of CNRL's Owner-User Inspection Program)

Reports reviewed and accepted by:
Mechanical Integrity Coordinator _____ **Date** _____

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

Fuel Gas Scrubber

External Inspection Items	G	F	P	N/A	Comments
Insulation: Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	Vessel is not insulated.
External Condition: Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)	X				No loose or flaking paint.
Leakage: Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				No leaks detected.
Skirt: 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				Filter is mounted firmly to skid deck. Skid Package is grounded.
Anchor Bolts: Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				Firmly bolted.
Concrete foundation: Check for cracks, spalling, etc.				X	
Ladder / Platform: Describe general condition, ensure support is secure to vessel, describe any hazards.				X	
Nozzle: Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				Good condition, no leaking detected.
Gauges: Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/Temp.	X				Firmly attached and within operational parameters for service.
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				Firmly supported, no distortion or deflection.
Valving: Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				Firmly attached, no leaks.
PSV: Ensure PSV is set at pressure at or below that of vessel.					Located on Upper Shell, set below MAWP of vessel.
NDE methods: Was UT/ MPI done on vessel (MI coordinator to review results)	X				Ultrasonic thickness survey carried out – No items of concern.
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) 1. No recommendations at this time – return vessel to service. Summary: This vessel is in good condition, ultrasonic corrosion survey carried out – no metal thickness detected below nominal minus corrosion allowance. Vessel is fit for service.					

Inspected By: D. Wiedman

Date: Feb 2004

Fuel Gas Scrubber

