



Mountain West Services Ltd.

## Inspection Report - CNRL2 # 9904

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### 103737- HORIZONTAL SEPARATOR

#### VT Internal

<b>Province:</b>	Alberta	<b>Manway:</b>	YES
<b>District:</b>	STURGEON LAKE	<b>Coating:</b>	No
<b>Location:</b>	STURLS	<b>Inspect Date:</b>	7/30/2011
<b>LSD:</b>	14-24-068-22W5	<b>Inspection Interval:</b>	60
<b>CRN:</b>	B-5682.2	<b>Next Inspection:</b>	7/30/2016
<b>Skid/Equipment Number:</b>	SKD0001	<b>MAWP:</b>	1100 PSI 7584.28 KPa
<b>Service:</b>	Sour	<b>Temperature:</b>	550 F 287.78 C
<b>Status:</b>	In Service	<b>Outstanding NCRs:</b>	0

#### General:

PSV was removed for service at the time of inspection.

Internal condition of vessel inspected for signs of corrosion, erosion, pitting, cracking and blistering. Visual inspection includes inspection of vessel shell, heads, nozzles, internal equipment, anodes, weir plates, etc.

Jayson Bourne did the Internal/External inspection of this vessel; Senior Inspector John Bourne supervised the inspection.

#### Safety Valves:

PSV [FLD2011](#) Protects the Shell Of the Vessel. Set Pressure of 740 PSI / 5102 KPa. Capacity: 5868.95SCFM / 166m3/min

<b>Status:</b> In Service	<b>Examination Methods:</b> VT	<b>Access:</b> Internal	<b>Cleaning:</b> Good
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#### External:

All visible shell surfaces and nozzles appear in good condition. Name plate is intact and legible. Vessel supports, foundation, and external coating appear good. Confirm electrical bonding and equipment grounding. Associated piping supports and components appear in good condition and alignment with no signs of leaks or defects present at the time of inspection. Verify PSV protection and PSV's are

properly installed with any block valves locked/sealed open. Verify vessel has Alberta CRN and A# stamping or Unique Identifier, PSV has correct set pressure and MWS tagging, and was last serviced within the required interval guidelines. Assign inspection interval.

**Internal:**

Vessel shell and head materials appeared in good condition there was no visible signs of pitting or corrosion occurring at the time of inspection. All circ seam and long seam welds were in good condition with no visible signs of defects noted. All nozzles and nozzle welds were in good condition and free from obstructions at the time of inspection. Manway and cover were in good condition. Vessel coating was in good condition.

**Recommendations:**

Installation of an anode or anodes would assist in the protection of the vessel materials.

**Inspector's Declaration:** I have witnessed the above inspections and certify that they have been done in accordance with our manual and that the information is accurate. I certify that the status of the pressure equipment detailed here is:

**Suitable to be returned to service:** Yes

**Repairs complete:** N/A

**Repairs are still required:** No

**Suggested Inspection Interval:** 60

**Inspector:** John Bourne Cert 000193 **Date:** 7/30/2011

**Chief Inspector:** I certify that the information on this report is true and that all inspections required by the Owner/User Quality Assurance Program# AQP-9013 which expires in 12/11/2013 have been done.

**Chief Inspector:** Jim Damiani Cert 00037  
**Date:** 3/28/2012

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