

## Field Inspection Report - Long\_Run 557073\_10/23/2011\_VT\_Internal

<b>Vessel Number</b>	557073	<b>Vessel Name</b>	INLET SEPARATOR	<b>Province</b>	Alberta
<b>District</b>	NORTHERN - AB	<b>LSD</b>	01-25-076-01W6	<b>Location</b>	EAGLESHAM PLANT
<b>Method</b>	VT	<b>Access</b>	Internal	<b>Cleaning</b>	Good
<b>Inspection Date (mm/dd/yyyy)</b>	10/23/2011	<b>Inspection Interval (months)</b>	12	<b>Next Inspection (mm/dd/yyyy)</b>	10/23/2012
<b>CRN</b>	T6684.2	<b>Skid Number</b>	PKG54820 / V-100	<b>Service</b>	Sweet
<b>Internal Access</b>	YES	<b>Internal Coating</b>	No	<b>Status</b>	In Service
<b>MAWP (PSI)</b>	675	<b>MAWP (kPa)</b>	4653.99	<b>Outstanding NCRs</b>	0
<b>MAWT (°C)</b>	93.33	<b>MAWT (°F)</b>	200		

### General

- The vessel was blinded, opened and cleaned for internal inspection as part of the 2011 T/A to monitor pitting that was found during the 2010 T/A.
- Vessel is located inside building.
- 12 month interval was re-assigned.

### Safety Valves

PSV P80372 Shell side. Set pressure: 550 PSI / 3792.14 KPa. MAWP: 675 PSI / 4653.99 KPa. Capacity: 13910 SCFM / 482.24 m3/min.

### External Condition

All visible shell surfaces and nozzles appear in good condition. Name plate is intact and legible. Vessel supports, foundation, electrical grounding and external coating appear good. Associated piping, supports and components appear in good condition and alignment with no sign of defects present at the time of inspection. No evidence of short studding or nut rounding at time of inspection. Verify vessel has Alberta CRN and A# stamping.

### Internal Condition

- The corrosion and pitting of the shell doesn't seem to have progressed since the last inspection. Refer to 2010 Internal Report.
- The Nozzle N2 (HC drain) has internal corrosion and pitting. Lowest UT reading on the 2" nozzle was 0.213" (nom. 0.343"), average UT thickness reading was 0.275". As per Red Flame Industries Report # NDT-1461-21.
- No other apparent defects, corrosion or deterioration were noted at time of inspection.
- The anodes that were bolted to the weir plate are showing no sign of consumption.

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### Recommendations

- PSV has been reset PSV down to 550 PSI as an extra safety precaution.
- Plan and budget to perform weld metal build-up on the corroded areas and replace the HC drain nozzle during next inspection or look at coating the vessel.
- New Manway gasket
- All recommendations were reviewed with operations after inspection.

<b>Suitable to be returned to Service</b>	Yes	<b>Suggested Inspection interval (Months)</b>	12
<b>Repairs are still required</b>	No		
Randy Murtha Cert 000471 <b>Inspector</b>	<b>Signature</b>		10/23/2011 <b>Date (mm/dd/yyyy)</b>

### Pictures

-No pictures for this inspection-	
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