

Equipment: Treater		Date: October 6, 2007
Summary		
	<p>Internal coating is blistered and spalling on shell and internal components; no repairs were carried out. Check coating next shutdown and have a coating company on standby if repairs are required.</p> <p>The south side inlet deflector plate had 2 missing clamps on the east inspection door, remove all internal doors next shut down and replace missing clamps.</p> <p>The west fire tube was leaking while online; refurbished fire tubes were installed this shut down.</p> <p>The west flame arrested burner pilot is damaged; recommend repairing or replacing pilot.</p> <p>The east flame arrested burner had cracks on the directional fins on the thimble; monitor next inspection.</p> <p>PSV was sent out for servicing.</p>	
External		
	<p>Paint and insulation is in satisfactory condition with minor staining.</p> <p>The fire tubes and stacks are not coated and have minor uniform corrosion.</p> <p>The structural platform for the burner access is moveable to facilitate removal of the fire tubes.</p> <p>The nameplate visibility is obstructed by piping, but still can be read.</p>	
Internal		
	<p><b>Shell</b></p> <p>The internal coating is blistering and spalling in numerous locations on the shell and internal components. No coating repairs were done at this time due to the amount of damaged coating in the vessel and that there is no significant corrosion on the exposed metal other than flash corrosion from cleaning.</p> <p>The sacrificial anodes have 80% material left. These were replaced with new aluminum anodes.</p> <p>The inlet deflector has 2 clamps missing on the east inspection door. These 3 doors plus the one on the weir were not removed this shutdown and the missing clamps were not replaced.</p> <p>All of the internal components are intact and in place.</p> <p><b>Fire Tube</b></p> <p>The west fire tube was leaking while online. Both fire tubes were removed and replaced with refurbished fire tubes by Lawrence's Welding (Job # 10-03-A-2007 and 10-03-B-2007).</p> <p><b>Burner</b></p> <p>The west flame arrested burner pilot was damaged. The east arrested burner had cracks on the directional fins on the thimble but is not of concern at this time as the assembly is structurally sound.</p>	
PSV		
	The PSV was sent out for servicing to Specialties Valve in High Level	
Pictures		
	Treater nameplate	
	Treater external view-4	
	Treater flame arrested burner east side cracking	
	Treater flame arrested burner west side pilot damage	
	Treater flame arrested burner west side pilot wiring damage	
	Treater internal coating damage-01	
	Treater internal coating damage-02	
	Treater internal coating damage-05	
	Treater south side internals missing bracket-2	