

Pumps

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
Pumps in light liquid hydrocarbon service	Pumps inspected in accordance with Regulation 8, Rule 25. Leaks of POC defined as greater than 500ppm.	Use double mechanical seals with a barrier fluid. The barrier fluid shall be either: 1) vented to a control device with at least 99.5% efficiency; or 2) held at a higher pressure than the process stream pressure for this level of POC control.

Compressors

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
Compressors in hydrocarbon service	Compressors inspected quarterly. Leaks of POC defined as greater than 500ppm.	Use "wet" dual mechanical seals with a heavy liquid barrier fluid or dual gas mechanical seals buffered with inert gases. All reciprocating compressors shall be vented to at least a 99.5% efficient control device for this level of POC control.

Valves

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
All hydrocarbon valves	Accessible valves inspected quarterly and inaccessible valves inspected annually. Leaks of POC defined as greater than 100ppm.	Valves will be live loaded, bellows, graphitic packed, Teflon packed, or equivalent. All hydrocarbon control valves will be live loaded with graphite packing and polished stems or equivalent for this level of POC control.

Flanges

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
All flanges	Leaks of POC defined as greater than 500ppm.	Equipped with graphitic gaskets, except in services that are not compatible with graphitic material for this level of POC control.

Pressure Relief Valves

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
All pressure relief valves in hydrocarbon service	All pressure relief valves will be vented to the flaring system or fuel gas recovery system for POC control.	

Tanks

<u>Application</u>	<u>Condition</u>	<u>BACT</u>
New pentane storage tanks (S-227, S-228, S-229)	At least 99.5% control	Use existing vapor recovery systems (A-46, A-47, A-48, A-49). Prior to venting to units A-46 through A-49, these storage tanks will have an auto refrigeration vapor recovery system for this level of POC control.