



HFE ITEMS IN VESSEL MECHANICAL SAFETY CHECKLIST	
CRITERIA	DESCRIBE REPOSE
1. Have all given conditions been considered in the design/specification of each item? This includes normal operating, startup/shutdown, regeneration, autorefrigeration, upset and design conditions. (reference documents: Vessel Design Data and Connection Summary, vessel analytical Sketch, Project Design Data)	
2. Do all ladders/cages, stairways and platforms meet the requirements of OSHA (or other appropriate governing regulation) and the Kellogg Brown & Root vessel structural steel standards?	
3. Have the proper caution notes been specified on drawings of equipment that is required to be pneumatically tested?	
4. Have lifting/tailing lugs been properly designed and specified? Have columns been checked for structural integrity during their erection lift?	