CBA #5	*Aseptic Tank and Inlet CIP*
WHEN	❑ **Every Friday at shutdown (before sterilization)** ❑ **After 120 hours of production** ❑ **Between some changeovers (as indicated on the changeover chart in module and in the lab).**
PREP	❑ **Make sure the caustic tank (as indicated by the automatic probe) is at least 3/4 full and the concentration is 1%-2%.** ❑ **Call the boiler house to check steam availability.** ❑ **Check availability of 5000 skid for CIP.**
HOW	❑ **Press START, then ASEPTIC TANK X CIP. The INLET ASEPTIC TANK CLEANED light goes off. (This cleans the inlet and the aseptic tank).** The CIP begins with steam flush, water fill and rinse through the tank inlet and then through the tank spray device. Rinse water goes to the drain. Hot water circulates through the inlet pipe and tank for 30 minutes, then to the drain. The inlet pipe and tank fill with caustic, which circulates through the tank and inlet piping, then to the drain. A final water rinse circulates and goes to the drain. ❑ **Follow CBA #6 to sterilize the aseptic tank and inlet.** The A. TANK X CLEANED panel light comes on and the INLET A. TANK X clean light comes on.
FOLLOW UP	❑ **Check the Aseptic tank level. If any liquid remains in the tank, open valves X47, X48, and X49.** ❑ **In the module CIP log book, write down:** • **The number of the aseptic tank being cleaned** • **Any problems or potential problems** • **Caustic concentration** • **Stop time for the CIP** ***Record all alarms; note parameter, time and step #.***

CBA #6	*Aseptic Tank and Inlet Sterilization*
WHEN	❑ **Every Friday at shutdown (after a CIP)** ❑ **After 120 hours of production (after a CIP)** ❑ **After a CIP on a changeover**
PREP	❑ **Make sure process water is available.** ❑ **Make sure the 5000 skid is available.** ❑ **Make sure steam is available.**
HOW	❑ **Press START, then ASEPTIC TANK X STER.** The tank and process piping are flushed with 25 psig steam, then heated with 10 psig steam. The tank is pressurized with 25 psig steam, heated, and sterilized at the correct temperature for 30 minutes. The tank is cooled; condensate is drained, maintaining the steam barrier on the inlet and outlet valve cluster. The tank is pressurized with nitrogen. The panel lights INLET A. TANK X STERILE and A. TANK X STERILE come on.
FOLLOW UP	❑ **If shutdown over a weekend shut manual nitrogen valve (in case of weekend failure).** ❑ **In the module CIP log book (located in the team room), write down:** • **The number of the tank and inlet being sterilized** • **The temperatures reached during sterilization** • **Any problems or potential problems** • **Start and stop time for the sterilization** ***Record all alarms; note parameter, time and step #***