**SOP #4 – Post-Milking Cleaning (Robot - DeLaval)**

*(Question FS31, July 2021 Reference Manual pages 12-5 & 12-6. All shaded areas are required elements of your SOP. You may use your own words to communicate the same intent.)*

Purpose: Ensure that milk is cooling properly and that the equipment is cleaned adequately.

* AMS is programmed to automatically wash with detergent \_\_\_\_\_ times per day on an \_\_\_\_-hour interval.
  + System is programmed that \_\_\_\_ of the washes are completed with acid and with alkaline.
* Change the milk filter \_\_\_\_\_ times per day just after wash cycle.
* Record the following inspections on the Milking Equipment Sanitation Record Sheet (Record 13):
  + Monthly task, first \_\_\_\_\_\_\_\_\_of every month before \_\_\_\_\_\_milking, inspect interior of milk claws, pipeline, receive jar, inflations of each AMS, apron, buffer tank, bulk tank etc for signs of build up or poor washing.
  + Check and record the temperature of the hot water or wash water.
* SOP’s for the wash procedures for the bulk milk hauler must be posted on the milk house wall. Include:
  + how to switch diversion from main tank to buffer tank
  + how to start the wash for the main tank
  + how to start the cooler for the buffer tank
* AMS Unit/Room
  + Hose down stall \_\_\_\_\_ times per day. Usually done during the wash cycle.
  + Use touch screen to extend the hoses so that exterior of hoses can be scrubbed.
  + Camera lens must be wiped down and then rinsed with water to remove water stone deposits.
  + Clean out vent holes at the claw. Check if the steamer is working.
  + Check if feed is being dispensed.
  + Spray out grippers thoroughly to remove debris.
  + Empty treated/fresh cow milking buckets and wash.
  + Check chemical barrels daily. If 1/3 left change out for new barrel.
  + Check level of teat dip in teat spray system.
  + Ensure chemical dispensers are working.
* Bulk Tank
  + When possible, inspect the interior of the tank to ensure it was washed and drained properly. Check that there are no deposits on the inner surface. Do this regularly.
  + Bulk milk hauler starts wash system.
    - Sanitizing cycle is the end cycle of the wash cycle.
  + Check CIP system
    - Check chemical barrels daily. If 1/3 left change out for new barrel.
    - Ensure chemical dispensers are working.
  + Cooler turns on automatically after tank is washed and once milk has reached the bottom of the agitator. No controls need to be touched.
    - Ensure cooler is working.
* TTR/AMS has alarms: check list to ensure that there were no milk monitoring device alarms (cleaning or milk temperature) in the main and buffer tank or attention lists.

OR

* AMS does not have alarms: check the milk temperature a minimum of twice per day (\_\_\_\_ AM & \_\_\_\_ PM), with at least 8 hours between each check and review the history of the milk temperature since the last check and record the milk temperature on Record 12.
* If system alarms identified and/or temperature issues, refer to appropriate Corrective Action Plan on Record 16 and then record date, issue and corrective action taken on Record 17.