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

*(Question FS31, July 2019 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.
	+ Change Filter #1, once a day when milk flow goes through Filter #2.
	+ Change Filter #2 once a day when milk flow goes through Filter #1.
* 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, 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.