

SOP - CLEANING AND MAINTAINING AN AUTOMATIC MILKING SYSTEM

Purpose: To ensure that milk is cooling properly and that the equipment is cleaned adequately, an Automatic Milking System cleaning SOP is an important part of your CQM program. The SOP must contain enough information to ensure that a relief farm worker can perform the steps.

- **Describe how the robot is programmed to wash, sanitize and rinse.**

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- _____
- _____

- **Check the cleaning of the system once per day.**

- Check to ensure there were no cleaning or milk temperature alarms in both the main buffer tank (time temperature records, etc.) or attention lists (slow cooling of milk, too long between washes, abnormal milk, etc.) or exception reports.

- Ensure these areas of robot are clean (daily/weekly/monthly):
 - _____
 - _____
 - _____
 - _____

- **Clean the outside of the AMS and surrounding area once per day.**

- Ensure these areas of robot have been checked: (e.g., robot room floor, robot laser, air bleeds, soap levels, post-dip spray, etc.):
 - _____
 - _____
 - _____
 - _____

- **Check and record the temperature of the pre-rinse water (weekly) or wash water (monthly) on record 13.**

- **Check and record the cleanliness of milking equipment regularly** (e.g. receiver jar and bulk milk tank) (minimum acceptable frequency is monthly, weekly is recommended).

- **Describe how you change the filter.**

- _____
- _____

- **Check the buffer tank and main bulk tank.**

- Post a milk pick-up/cleaning procedure for the milk truck drivers. The instructions should include how to switch diversion from the main tank to the buffer tank, how to start the wash for the main tank and how to start the cooler for the buffer tank.

- Inspect the main bulk tank whenever it is empty to make sure it is clean.

- Follow the same wash procedures for the buffer tank after milk transfer to the main tank, including sanitizing approximately prior to its use (if possible, check the main tank and the buffer tank when they are dry).

- _____

- _____

Need help tailoring this SOP?



- Does your robot run a complete wash 3 times a day or rinse and run idle after each cow is milked?
- How often do you change the filter? What do you look for when the filter is changed?
- How often do you check that the roller brushes are clean?
- When do you sanitize the buffer tank?