

TTRs: Important Info for Record 12



FS28: *Is the bulk tank temperature recorded and checked **after every milking for each bulk tank?** (Record 12)*

At least one rolling year of temperature or alarm logs must be available at the time of your validation.

Note for AMS producers:

Constant electronic milk temperature monitoring is mandatory for AMSs (both for the main bulk tank(s) and the buffer tank, if milk is stored in the buffer tank for more than 2 hrs).

TTR WITH NO ALARMS/BASIC ALARMS (EG. WHEN WASHING/EMPTY)

Anderson manual graph chart:

- **Twice per day** you must open the face plate of the recorder and **initial** the chart (or similar method) to indicate that you have checked the temperature and any alarms after each milking.

Digital design with no alarms or basic alarms:

- **Twice per day** you must manually record the temperature and **initial** the record (record 12 template) or log into the system and insert a note indicating that you checked the temperature after each milking.

Checking the manual TTR is necessary because nuisance alarms have the potential to make you immune to the alarm signals and you may ignore an alarm situation.

DIGITAL TTR WITH “SMART ALARMS”

Alarms must be set to the following parameters:

- Not alarm when bulk tank is empty or washing or just filling with the 1st milk.
- Alarm if the temperature is not greater than 0°C and less than or equal to 4°C within 2 hours from the start of milk harvest (i.e. from the moment milk is diverted to the tank).
- If equipment is capable of detecting fractions of a degree, alarms may be set to a lower limit above 0°C to avoid nuisance alarms.
- Be able to set blend temperature alarms (i.e. after 2-hour delay from first milk harvest).
- Alarm if the blend temperature ever goes above 4°C for longer than 15 consecutive minutes.

With “smart alarms” you must still record whenever a problem occurs regarding cooling and storage of milk and what corrective actions you implemented to remedy the situation and prevent the same problem from re-occurring. (Record 17).