**SOP #5 – Treating Cattle (Robot - GEA)**

*(Question FS21, July 2023 Reference Manual page 12-2. All shaded areas are required elements of your SOP. You may use your own words to communicate the same intent.)*

Purpose: Prevent residues from entering the human food supply.

* Storage
  + Livestock medicines are stored in fridge or cupboard in equipment room according to label directions.
  + Used needles are to be put in the white sharps pail under the stairs and given to vet to dispose when full.
* Before treating a cow, all treatments must be entered in the AMS software. This will ensure that treated animals are “marked” as treated via the software and milk diverted from the bulk tank.
* Entering in treatment records and how to check current treatments:
  + Enter treatment in Cow Card, apply settings
  + Select milk destination (calf milk or drain)
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* First time milking cow or heifer:
  + Enter freshening date
  + Milk destination automatically changed to calf feed, diverted to buckets
  + Unit can be attached manually.
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Permanent record of treatments for all cattle (dry, lactating, heifers, calves and bulls) treated with any product that has a milk or meat withdrawal, including vaccinations and pesticides are recorded in (Record 10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Info to include: tag #, product, dosage, route of administration, meat/milk withdrawal times, clear dates and initials of who gave the treatment (Record 10).
  + Depending on frequency of milking, double-check that milk withdrawal is adequate.
* Obtain a written veterinary prescription for all treatments given extra label or for unapproved products.
* Use products approved in Canada for use in dairy cattle or obtain veterinary directions for use.
* Follow label instructions to determine proper dosage and ensure administered properly.
* Record broken needles (Record 11), including site and animal identification.
* Dry Cow Treatments
  + Treat all quarters with dry cow treatment according to label directions.
  + Dry cows are treated, administered teat sealer, post dipped and moved to dry cow holding area.
* Lactating Cow Treatments
  + Consult with dairy manager before administering treatments to cows.
  + Positively identify by eartag number the animal to be treated.
  + Record treatment on board in parlour.
    - Record both type and time of treatment to ensure animals are not sold or shipped prior to withholding time limit or a letter must be made.
  + Intramuscular injections should be given in the neck muscles if possible.
  + Return medication, syringe and needle to correct storage area. Update drug inventory list if necessary.
* Purchased Cows
  + Test milk from lactating cows with the CHARM test before putting her milk into the tank.
    - If test is negative milk her into the tank.
    - If test is positive, consult with previous owner to determine withdrawal times.
* Calves, Heifers and/or Bulls
  + Mark/Identify treated animals with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
  + Treatment of any calves or heifers is recorded in the DHI calendar and on the board.
  + Check that all animals to be shipped have met the meat withdrawal date.
  + No animals are shipped or sold during a withdrawal period.