

**PENNSYLVANIA DEPARTMENT OF AGRICULTURE
FARM REFRIGERATED BULK MILK STORAGE TANK
AND/OR PRE-COOLER INSTALLATION APPLICATION**

Name of producer _____ No. _____ Telephone () _____
Mailing Address _____
Shipping to _____ Field Person _____

APPLICATION TO INSTALL: New Tank _____ Used Tank _____ New pre-cooler _____ Used pre-cooler _____

I HEREBY MAKE APPLICATION FOR PERMISSION TO INSTALL A REFRIGERATED BULK MILK STORAGE TANK. THIS EQUIPMENT WILL CONFORM TO OR EXCEED 3A SANITARY STANDARDS FOR FARM COOLING/STORAGE TANKS.

EQUIPMENT MANUFACTURER

Installer's name _____ Proposed installation date _____
Telephone () _____ Address _____

PLEASE SUBMIT THIS COMPLETED APPLICATION FOR PLAN APPROVAL AT LEAST 10 DAYS PRIOR TO INSTALLATION.

FARM REFRIGERATED BULK MILK STORAGE TANK

Make/Model No. _____ Serial No. _____ Capacity _____
Bulkheaded: Y N Recording thermometer: Y N No. of condensing units _____
Manual timer: Y N Interval Timers: Y N
Condensing Unit(s) Mfgr. _____ Total BTU/hr _____ @ 30 degrees suction
Maximum cooler loading rate _____ lbs/hr x 55 = _____ BTU/hr
Total BTU/hr should equal loading rate in BTU/hr. An allowance of 10 percent is acceptable when milking time is less than 3 hours.

PRE-COOLER: Please complete this section for new or existing pre-coolers. Serial No. _____
Type: Plate _____ Cube _____ Tubular _____ Size (tube length, # of plates, etc.) _____
Single/ Dual pass (circle one) Cooling capacity _____ BTU/hr
Has receiver pump been properly sized to account for pre-cooler backpressure? Y N

A product line by-pass at the pre-cooler during the cleaning operation is not an acceptable solution.

A clean filter must be installed prior to washing a pre-cooler (following the pre-rinse cycle) to prevent the deposition of foreign materials during the wash cycle.

WASHING: Automatic _____ Manual _____
Water (in gallons) Pre-rinse _____ Wash _____ Post rinse _____ Total Hot Required _____
Water Heater: Electric _____ Gas _____ Oil _____ Boiler _____
Capacity _____ gallons Recovery rate _____ gallons/hour/100 degrees rise
Heat recovery unit: Y N Type _____ Capacity _____ gallons
Manually washed: Outlet valve _____ Measuring rod _____ Rod ports _____ Lids, Vents, Gaskets _____
Equipment Exterior _____ Other items _____

SIGNATURES

Producer _____ Date _____
Field Person _____ Date _____
Regional Sanitarian (Plan) _____ Date _____
Regional Sanitarian (Installation) _____ Date _____
Installer _____ Date _____

SPECIAL INSTRUCTIONS

- A.) Bulk tank: A detailed drawing must be provided below to include the following
 - 1.) Clearance between top of bulk tank and ceiling
 - 2.) Wall clearance on all sides
 - 3.) Milkhouse drain location
- B.) Pre-coolers: A detailed drawing must be provided to include the following:
 - 1.) Approximate height above floor and proximity to other equipment
 - 2.) Water and milk drainage provisions
 - 3.) Water line supplying the pre-cooler and discharging from the pre-cooler to include end usage
- C.) Any future modification of this equipment must have prior written approval.
- D.) This application, when properly completed and signed, should be posted under plastic in the milkhouse.

Scale _____ inches=_____ feet

A large grid of graph paper for drawing, consisting of 20 columns and 20 rows of squares.