

**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 Revcovery 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 small squares.