



**FORM FOR
PRELIMINARY INFRASTRUCTURE
NEEDS CHECKLIST
AT
EXISTING MILK COW DAIRIES**

CDQAP- WDR General
Order Reference Binder
Tab 6.18, Sept. 2008 Version

Waste Discharge Requirements General Order No. R5-2007-0035 for Existing Milk Cow Dairies (General Order) requires owners and/or operators of existing milk cow dairies (Dischargers) to submit a Preliminary Infrastructure Needs Checklist by **31 December 2008** (the actual retrofitting plans with a schedule to improve nitrogen balance, storage capacity, flood protection, or design of the production area are not due until 1 July 2009). Completion of this form may be used as a Preliminary Infrastructure Needs Checklist to preliminarily identify infrastructure changes needed to achieve compliance with the Nutrient Management Plan (NMP) requirements (balance nitrogen) and/or achieve compliance with the Waste Management Plan (WMP) requirements (achieve adequate storage capacity, flood protection, or production area design).

If this form is used, Parts I and II must be completed and both the dairy owner and operator must sign Part III. The completed form must be submitted to the Central Valley Regional Water Quality Control Board by **31 December 2008**.

PART I: DAIRY FACILITY INFORMATION

A. Name of Dairy or Business Operating the Dairy: _____

Physical address of Dairy:

Number and Street City County Zip Code

B. Operator Name: _____ Telephone No: _____

Operator mailing address:

Number and Street City County Zip Code

C. Owner Name: _____ Telephone No: _____

Owner Mailing Address:

Number and Street City County Zip Code

PART II: PRELIMINARY INFRASTRUCTURE NEEDS CHECKLIST

Identify the preliminary infrastructure needs below that you expect will be needed to achieve compliance with the NMP and/or the WMP requirements.

PRODUCTION AREA:

Milking Parlor

- ___ improve concrete floor
- ___ structure to transfer liquid manure to holding structure
- ___ curbs in milk barn alley, wash pen, holding area to contain manure
- ___ divert plate cooler/milk chiller water to cow drinking water
- ___ install water saving milk chiller (air cooled, glycol cooled, tower, etc.)
- ___ install water meter
- ___ structures to collect and divert rain run-on/parlor runoff (ditch, roof gutters)
- ___ other _____



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Animal housing

Freestalls

- curbs to contain flush water and manure in alleys
- structures to collect and divert rain run-on/ barn runoff (ditch, roof gutters)
- improve water trough floats (cage, float type, float setting)
- pipeline to relocate roof run-off away from animal housing area
- improve flush valves
- improve flush pumps
- other _____

Exercise pens

- improve water trough floats (cage, float type, float setting)
- install hard surface around water troughs
- concrete surfaces under eaves of roof to collect rain runoff
- gutters to collect and control roof runoff from freestall barn(s)
- install ponding controls (grading, piping, basins, pumps,)
- structures to prevent rain run-on (ditch, curb)
- install gates/fences to control sensitive areas
- structure to convey runoff to retention pond
- other _____

Open corrals

- install ponding controls (grading, piping, basins, pumps,)
- improve water trough floats (cage, float type, float setting)
- install hard surface around water troughs
- structures to prevent rain run-on (ditch, curb, roof gutters on shades)
- install removable shade structures (for winter removal)
- install gates/fences to control sensitive areas (streams, low spots in corrals, etc.)
- structure to convey runoff to retention pond
- other _____

Manure Transfer (within production area)

- install screens and/or grates to remove large debris from pipe inlets
- vacuum collection/transfer system
- other _____

Manure Treatment

- install solid separation system
- install sand (bedding) recovery system
- install drainage system for solid separation system
- install pump lift station
- other _____

Manure Storage

- enlarge existing liquid storage capacity*
- install new liquid storage structure*
- install depth marker
- improve collection and conveyance of runoff to lagoon
- install impermeable surface beneath solid manure storage areas
- install leachate collection system to convey leachate to retention pond
- install bypass to recirculate some or all pumped wastewater back to the pond
- other _____



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Feed Storage

- install leachate collection system (convey to liquid storage)
- structures to prevent rain run-on (ditch, curb, roof gutters on commodity/hay barn(s))
- pipeline to divert roof run-off from feed area
- improve collection and conveyance of runoff to lagoon
- install leachate prevention (roof areas, impermeable covers, impermeable flooring)
- other _____

LAND APPLICATION AREA:

- improve water distribution system (pipeline, ditches, etc.)
- liquid manure blending facility/infrastructure
- liquid manure flow meter(s)
- irrigation well flow meter(s)
- water flow control device
- tailwater return system (sumps, pumps, conveyance)
- backflow prevention for all irrigation wells associated with pipelines conveying manure
- berm/ditch perimeter to prevent run-on and/or contain run-off
- distribution equipment (shank injector, drag hose, broadcast)
- install wells and/or pumps to provide additional fresh water for dilution and irrigation
- other _____

OTHER:

- impermeable surface for mortality temporary storage
- advanced treatment technology _____
- infrastructure to allow regular sampling as required by MRP (sampling points and ports)

*Will require professional certification and appropriate approval by RB5

Note: If your facility is permitted by the San Joaquin Air Pollution Control District you will need to determine which of these changes will trigger the need to submit an Authority to Construct to receive approval PRIOR to modification(s).

PART III: OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE OF OWNER

SIGNATURE OF OPERATOR

PRINT OR TYPE NAME

PRINT OR TYPE NAME

DATE

DATE