

Facility Information, Existing Condition Report & Preliminary Dairy Facility Assessment Report Completion Worksheet

The purpose of this worksheet is to provide a “fill-in-the-blank” sheet to help gather all of the information that will be needed to complete Central Valley Regional Water Quality Control Board reporting requirements for Existing Milk Cow Dairies, due by December 31, 2007. The reports due must be completed online using specific report completion software. The questions included in this worksheet are laid out in the same order as the question order included in the computer software program to promote faster online report completion.

Facility Information: Location

Dairy or Business Name: _____

Dairy Address (physical): _____

Street and nearest cross street (if no dairy address): _____

Date Facility Started Operation: _____

Regional Water Board Basin Plan Designation (circle one): Sacramento San Joaquin Tulare

Facility Information: Parcels

Production Area (barn, corral & pond areas) Assessors Parcel Numbers (0000-0000-0000-0000 format):

Facility Information: Owners and Operators

Legal Property Owner Name: _____

Legal Property Owner Mailing Address: _____

Legal Property Owner Phone Number(s): _____

Legal Operator Name (if different from owner): _____

Legal Operator Mailing Address: _____

Legal Operator Phone Number(s): _____

How do you handle mortality (dead stock)? Rendering, burial, other? _____

[Disposal of dairy mortalities (outside of a declared emergency) on site is prohibited by the WDR.]

Attach a Site Map - a USGS topographic map or aerial photo of your dairy must be submitted with the report (Suggested sources for maps/photos will be provided in later communications).

Existing Conditions Report: CEQA Compliance

Was your dairy operating at its current location as of Oct. 17, 2005? Yes / No

Has your dairy expanded (increased number of milking and dry cows) by more than 15% since Oct. 17, 2005? Yes / No

If you expanded by more than 15% since Oct. 17, 2005, did you submit a report of waste discharge (ROWD) to the Regional Water Quality Control Board for the expansion? Yes / No

Existing Conditions Report: Chemicals Used

List all chemicals used on the production area (not cropland) of your dairy that may end up in the waste storage system (lagoon) in the following categories:

1. Disinfectants:

Product Name(s)	Approximate amount used in one year

2. Footbath Chemicals:

Product Name(s)	Approximate amount used in one year

3. Pesticides:

Product Name(s)	Approximate amount used in one year

4. Soaps:

Product Name(s)

Approximate amount used in one year

5. Other Chemicals:

Product Name(s)

Approximate amount used in one year

Existing Conditions Report: Final

This completes the Existing Conditions Report (Report can now be printed after data is entered).

Preliminary Dairy Facility Assessment: Land Area Estimates

How many acres of your dairy are dedicated to the production area (corrals, barns, ponds, feed storage)? _____

Estimate the roofed, impervious, and earthen surface areas that receive rainfall which drains into the wastewater retention pond(s): _____ acres

How many acres of cropland do you use for manure (both solids and liquid) application? _____

Preliminary Dairy Facility Assessment: Herd and Milking Estimates

Animal Numbers:

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo.)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number						
Ave. Weight (lbs.)					XXXX	XXXX
Ave. milk production (lb/cow/day)		XXXX	XXXX	XXXX	XXXX	XXXX
Daily Hours on Flush						

Predominant animal breed (largest percentage within the herd): _____

Pond Storage Period desired (options include 120, 150, 180 or 240 days): _____

Average number of milk cows per milking string: _____

Number of milkings per day: _____

Number of times milk tank is emptied per day: _____

Number of hours spent milking each day: _____

Number of cycles used in bulk tank wash and sanitizing (typically 3 or 4): _____

Number of cycles used in pipeline wash and sanitizing (typically 3 or 4): _____

Milkbarn/Water Use

*Default values are available within the Preliminary Dairy Facility Assessment (PDFa) Reporting Computer Software for this section if needed. ***Values provided in the software are quite generous as all varied dairy use patterns must be covered with default values. To avoid overestimating your water use and resulting storage needs, it is recommended that individual estimates of water use be utilized using the "user override" option, so that results are better related to your specific operation.*

Type of Milkbarn/Parlor Floor Wash (choose one): Gallons used per day

1. Traditional Automatic Parlor Deck (floor) Flush Valve _____

2. Traditional Manual Parlor Deck (floor) Flush
(manual start flush or red barn hose) _____

3. Continuous Rotary / Carousel Deck Wash _____

Does floor wash water come from re-use of equipment water? Yes / No

How many additional gallons of fresh water are used in manure flush lanes each day? _____

Type of Milking/Cooling Equipment:

Plate Cooler use?

Air/Mechanically Cooled/Water Cooled-Water Recycled/ Water Cooled-Water Not Recycled

If water is used, gallons per day usage: _____

Vacuum pump/Air compressor/Chiller use?

Air/Mechanically Cooled/Water Cooled-Water Recycled/ Water Cooled-Water Not Recycled

If water is used, total gallons per day usage: _____

Preliminary Dairy Facility Assessment: Miscellaneous Equipment

List other miscellaneous equipment which generates or re-uses parlor water that is in-use at your facility (ex. Automatic footbath, milking unit backflush, etc.):

Equipment name	Water Source (re-use/fresh)	Water Volume Throughput	Discharge Destination (exits system, for reuse, to pond)

Preliminary Dairy Facility Assessment: Water Use

Is reused water used for cow drinking water? Yes / No

If yes, what is the total amount of reused water consumed per head per day? _____

Sprinkler Pen:

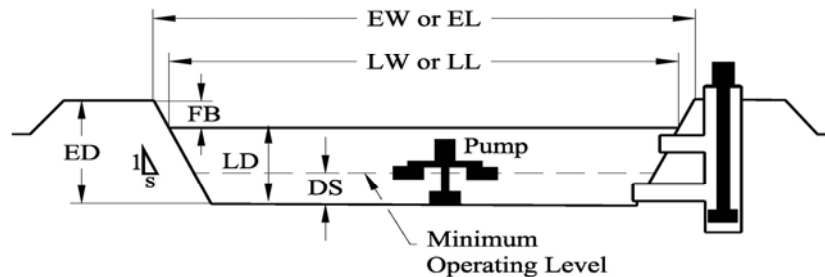
How many sprinklers are in the wash pen? _____

How long does each sprinkler cycle run? _____

How many times does the sprinkler pen run per string? _____

What is the average water flow rate of the sprinklers used in your wash pen? _____

Does sprinkler pen water come from milk cooling re-use? Yes / No



Preliminary Dairy Facility Assessment: Retention Ponds and Settling basins

Name/Description of pond/basin	Earthen length (EL)	Earthen width (EW)	Earthen Depth (ED)	Side Slope (S)	Freeboard (FB)	Dead Storage Loss (DS)

Preliminary Dairy Facility Assessment: Rainfall Estimates

Select a Rainfall Station Nearest your Facility (see software for pull-down selection).

Preliminary Dairy Facility Assessment: Nutrient Removal by Crops Estimates

Cropland Information: (Default values for yield, moisture, protein, and phosphorus will be provided in the computer software if facility-specific numbers are not available.)

Total Acres Planted	Crop Type	Crop Yield (tons/acre)	Crop Moisture Content (%)	Crop Protein Content (%)	Phosphorus (lbs/ton of yield)

Preliminary Dairy Facility Assessment: Imports and Exports (nutrients)

Imports:

Do you apply commercial fertilizers to cropland? Yes / No

If so, estimate the total amount applied (total for all crop types):

Lbs Nitrogen (N): _____

Lbs Phosphorus (P₂O₅): _____

Lbs Potassium (K₂O): _____

Manure Exports:

Manure Type	Volume Exported	Moisture Content	Total Nitrogen	Total Phosphorus
Separator Solids	tons	%	%	%
Corral Solids	tons	%	%	%
Liquid Manure	gallons	XXXXXX	mg/L	mg/L

Preliminary Dairy Facility Assessment: Final

This completes the Preliminary Dairy Facility Assessment (Report can now be printed after data is entered)

Information in this document was compiled by CDQAP to assist dairy producers in understanding and complying with the General Order Waste Discharge Requirements for Existing Milk Cow Dairies (Central Valley Regional Water Quality Control Board Order R5-2007-0035). Effort has been made to ensure accuracy, but these summaries are not official regulatory guidance and are not legal advice. Producers are advised that these summaries are not intended to be a substitute for producers reading the complete order and consulting their own legal counsel to ensure compliance with the waste discharge requirements. Should any information here conflict with the General Order and/or official information provided by the Regional Board, Board-provided information takes precedence.