



WASTE MANAGEMENT PLAN: REQUIRED DOCUMENTS FOR MEETING THE JULY 2008 DEADLINE

As part of the ongoing, overall water quality requirements, dairy producers must complete the following steps for the **Waste Management Plan (WMP) by July 1, 2008**. The stated purpose of the WMP is “to ensure that the production area of the dairy facility is designed, constructed, operated and maintained so that dairy wastes generated at the dairy are managed in compliance with WDR General Order to prevent adverse impacts to groundwater and surface water.” The WMP is “staged” and dairy operators must complete and submit the information below by **July 1, 2008**, to the Central Valley Regional Water Quality Control Board. The WMP is in Attachment B of the General Order (GO).

A. Facility information summary. (GO Attachment B-1 1.A through 1.E.) The dairy operator must provide an updated description of the facility area, including:

- Dairy name and address (including county)
- Assessor’s parcel number
- Township, range, sections and baseline meridian of property
- Name, address and telephone number of property owner, facility operator and contact person for the dairy operation
- Animal population (present and maximum) broken down by breed and age
- Total volume of process wastewater (non-recycled) water generated daily and how this number was determined

B. Updated maps. (GO Attachment B-2 and B-3.) The dairy operator must provide an updated scale map of the facility and land application areas. The **facility (dairy) map(s)** must include:

- Animal housing structures
- Milking parlor
- Other buildings
- Corrals
- Ponds
- Settling basins and/or mechanical separators
- Other areas where manure is deposited or stored
- Feed storage areas
- Drainage flow direction and nearby surface waters
- All water supply wells (domestic, irrigation & monitoring wells) in the dairy facility
- All domestic (drinking water) wells within 600 feet and any municipal supply wells within 1,500 feet of the dairy facility

The **land application area map(s)** must include or identify:

- Assessor’s Parcel Number (APN)
- Field name or number, total acreage (each field) and crops grown
- Indicate if field is owned, leased or used by formal agreement
- Indicate type(s) of manure (solid and/or liquid (wastewater)) applied-by field

- Drainage flow direction (each field) and nearby surface waters
- Stormwater/tailwater discharge points and sampling locations
- Tailwater/storm water drainage controls
- Subsurface (tile) drainage systems including discharge point and lateral extent
- All irrigation and ground water monitoring wells in land application area
- All domestic (drinking water) wells within 600 feet and any municipal supply wells within 1,500 feet of the production area and land application area.

The WMP and site maps also must include APN, acreage, crops grown and owner/lessee for all fields that are part of the dairy but **not** used for dairy waste application. The WMP must indicate whether these lands are enrolled in the conditional waiver program for irrigated lands.

C. Operation and Maintenance Plan. (GO Attachment B-7 and B-8.) The dairy operator must submit an “operation and maintenance” plan for the dairy facility, including information to ensure that:

- All surface drainage from non-manured areas (including rooftops) must be diverted away from manured areas unless this is fully contained and included in storage requirement calculations;
- Ponds are managed to maintain freeboard; and prevent odors, mosquito breeding, burrowing animal damage, equipment damage during pond cleaning, embankment settlement, erosion, seepage, excess algae and vegetation;
- Holding ponds maintain freeboard and adequate winter storage by no later than Nov. 1 of each year;
- No discharge of waste or stormwater from the production area to surface waters can occur;
- Procedures are in place for removing solids from lined ponds without damaging the liner;
- Corrals, animal housing manure and feed storage areas are maintained to collect and divert all leachate, process wastewater and runoff to the retention pond and prevent ponding/infiltration to underlying soils
- All dead animals are disposed of properly
- Chemicals and other contaminants are not disposed of in process wastewater or stormwater treatment system unless the system is designed to treat such contaminants
- Animals are prevented from entering surface waters
- Salt in rations is limited to the amount required to maintain animal health and optimum production

D. Identification of Backflow Problems. (GO Attachment B-8.) Identify any problems related to backflow prevention and propose a remediation plan with a schedule not to exceed 12 months. Documentation of no backflow problems due July 1, 2009. Both documentations must be signed by a trained professional.

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.

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