



DAIRY MAPS

Checklist of information required for compliance with North Coast Water Quality Conditional Waiver and General Waste Discharge Requirements

The North Coast Regional Water Quality Control Board adopted its regulatory program for dairies (19 January 2012). All dairy operations within the Region will be covered by one of three Orders. The Conditional Waiver of Waste Discharge Requirements (Order No. R1-2012-0003) is for dairies that pose a low risk to water quality. The General Waste Discharge Requirements (Order No. R1-2012-0002) is for dairies that cannot demonstrate compliance with minimum standards and therefore pose a greater risk to water quality. Lastly, the General National Pollutant Discharge Elimination System Order No. (R1-2012-0001) is for those dairies that are identified as point sources and also discharge to surface water (General NPDES No. CAG011001). Detailed information about each of these Orders is available at: http://www.waterboards.ca.gov/northcoast/water_issues/programs/dairies/.

Development of a map is required for the **Conditional Waiver** (Water Quality Plan page 3; Nutrient Management Plan, pages 3 and 4) and the **General Waste Discharge Requirements** (Nutrient Management Plan, pages 3 and 4).

To meet the requirements of either the Conditional Waiver or the General WDR the following list of items must be identified where applicable. You may need to use a full-page satellite map (e.g. Bing, Google, or similar) and one or more additional maps at appropriate scales. A scaled drawing, aerial photo or topographic map is acceptable. One or more United States Geological Survey quadrangle maps or equivalent¹ showing the location of the dairy and all areas under the Discharger’s control, whether owned, rented, or leased, to which manure or process water may be applied. If suitable, an aerial photo with appropriate notations may be utilized.

Entire Facility	Suggested legend icon	Check when completed
1. Perimeter of land owned	————	<input type="checkbox"/>
2. Perimeter of land leased	<input type="checkbox"/>
3. Surface watercourses and conveyances (ditches, piping)	U	<input type="checkbox"/>
4. Wells, including type		
Domestic	—●—	<input type="checkbox"/>
Agricultural or industrial	—○—	<input type="checkbox"/>
Monitoring well	—Ⓜ—	<input type="checkbox"/>
5. Any septic tanks and leachfields	X	<input type="checkbox"/>
6. All water quality sampling points		<input type="checkbox"/>
7. Pumping facilities	λ	<input type="checkbox"/>
8. Storm water discharge point(s)	●————●	<input type="checkbox"/>
9. Flow meters	△	<input type="checkbox"/>

¹ Alternatives: public satellite maps from Bing or Google Maps

	Suggested legend icon	Check when completed
Production Area		
1. Production area perimeter	—	<input type="checkbox"/>
2. Buildings with use identified		
Livestock feeding and housing areas	←.....→	
Feed storage areas	- - - - -	
Manure storage areas	<input type="checkbox"/>
Process water storage areas	∩	
Milk barn	☆	
Chemical storage areas	⊕	
3. Manure ponds with perimeter outline of drainage area into pond	∩	<input type="checkbox"/>
4. Drainage flows for the production area (Arrows showing direction of flows)		<input type="checkbox"/>
Land Application Area		
1. Underground pipelines used for transporting process water	➡	<input type="checkbox"/>
2. Underground pipelines, where process water is mixed with irrigation water or discharged	⊗	<input type="checkbox"/>
3. Extent of subsurface tile drainage system and associated discharge points	◆—◆	<input type="checkbox"/>
4. Drainage controls (berms, levees, and/or ponds) used for tailwater and stormwater	∩	<input type="checkbox"/>
5. Drainage flows for each field (Arrows showing direction of flows)		<input type="checkbox"/>
6. Permanent pens / fences	←.....→	<input type="checkbox"/>
7. Crop fields (identified by name or number)		<input type="checkbox"/>
8. Pastures (identified by name or number)		<input type="checkbox"/>
9. Map legend, North arrow		<input type="checkbox"/>

Information in this document was compiled by Deanne Meyer and Trish Price, Department of Animal Science, UC Davis for CDQAP to assist dairy producers in understanding and complying with the Conditional Waiver and General Waste Discharge Requirements for Existing Milk Cow Dairies (North Coast Regional Water Quality Control Board Order R1-2012-0003 and R1-2012-0002). 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 regulatory requirements. Should any information here conflict with the General Order and/or official information provided by the Regional Board, Board-provided information takes precedence. Staff from RB1 reviewed this document.