



Estimating annual parlor water generated

This worksheet was developed to assist producers in calculating annual process water applied to complete Question 14 on the North Coast Regional Water Quality Control Board's Water Quality Plan associated with the Conditional Waiver of Waste Discharge Requirements for Existing Cow Dairies.

http://www.waterboards.ca.gov/northcoast/water_issues/programs/dairies/#permit

If you have farm specific data, use them. Otherwise, complete the following to estimate annual volume of material collected.

	Daily water generated (gallons)
Estimating annual parlor water generated	
1 Number of milkings (per day)	_____
2 Bulk tank wash volume (gallons per day) (Assumes daily pickup)	<input type="text"/>
3 Daily pipeline wash volume (gallons per milking) Line 1 x Line 3	_____ <input type="text"/>
4 Milkhouse parlor floor wash (gallons per milking)	_____
5 Daily milkhouse parlor floor wash (gallons per day) Line 1 x Line 4	<input type="text"/>
6 Cow prep wash (gallons per cow per milking)	_____
7 Daily prep wash (gallons per day) Number of cows x Line 1 x Line 6	<input type="text"/>
8 Miscellaneous equipment (gallons per milking) (backflush, calf buckets per bottles if cleaned more than once daily)	_____
9 Daily miscellaneous equipment use (gallons per day) Line 1 x Line 8	<input type="text"/>
10 Number of holding pen sprinklers	_____
11 Duration of sprinkler wash cycle (minutes)	_____
12 Number of holding pen wash cycles (per milking)	_____
13 Sprinkler flow rate (gallons per minute)	_____
14 Daily holding pen sprinkler volume (gallons per day) Line 1 x Line 10 x Line 11 x Line 12 x Line 13	<input type="text"/>
15 Daily milkhouse and parlor water (gallons/day) Sum of values in the right hand column	<input type="text"/>
Annual milkhouse and parlor water generated (gallons) Line 15 x 365	<input type="text"/>