University of California
Agriculture and Natural Resources

CALIFORNIA DAIRY Quality Assurance PROGRAM

CDQAP – RB2 General Order
Reference Binder
Tab 7.2 November, 2022

Estimating daily parlor water generated

This worksheet was developed to assist producers in calculating annual process water applied to calculate needed storage requirements for the San Francisco Bay Regional Water Quality Control Board's Waste Management Plan (WMP) associated with the CAF General WDR Order No. R2-2016-0031 for Existing Cow Dairies
https://www.waterboards.ca.gov/rwqcb2/water_issues/programs/agriculture/CAF/CAF_General_WDRs_Order_R2-2016-0031_FINAL.pdf

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

Estimating daily parlor water generated

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