



CDQAP – RB2 Conditional
 Waiver Reference Binder
 Tab 7.2 March, 2016
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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 Conditional Waiver of Waste Discharge Requirements for Existing Cow Dairies

(http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/agriculture/CAF/Resolution%20R2-2015-0031.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

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| 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 | | |