Kamsley Colony Farms -Livestock Technical Review Committee SE-19-006-09W1 & NW-19-006-09W1 Lorne, Manitoba

DGH Engineering Ltd. 12 Aviation Boulevard St. Andrews, MB, R1A 3N5 (204) 334-8846

DGH Project Number: 1099-021 6.2 Water Requirements Calculator

Livestock Type	Description	Number of Animals	Water Use Estimates		Livestock Water Use
			Imp Gal /day/animal	Additional Washwater	lmp gal/day/animal
Dairy					
N/A					
Beef					
N/A					
Pigs		ı			
Sows, farrow to finish		1000	26.7	0%	26700.0
Chicken		T		T	
Broilers		30000	0.035	10%	1155.00
Turkey		1		T	
Heavy Hens		9500	0.16	10%	1672.00
Other		1			
Ducks		300	0.16	10%	52.8
Geese		300	0.16	10%	52.8
Livestock Total (Imp Gal/day)					29632.6
Livestock Total (Litres/day)					134709.7
Households**		Number	Water Use Estimate Imp Gal/day/person		Household
		of People			Water Use
Persons		125	33		4125
1 0100110	1	120	1 0.	,	7120
Grand Total (Imp Gal/day)					33757.6
Grand Total (Litres/day)					152982.0

^{*} Mature cows means all of the lactating and dry cows.



^{**} Include household consumption when a household is on site.