

# Philo Ridge Farm

## Short Term Water Supply Design Flow

9/25/2016

<u>Use</u>	<u>Number</u>	<u>Unit</u>	<u>Flow/Unit</u>	<u>GPD</u>
<b>Brick House Office</b>				
Employees	8	Empl.	x 15 GPD/Empl	= 120
Commercial Sink	1	Sinks	x 100 GPD/Sink	= 100
	4	Bedroom	x 150 GPD/Unit	= <u>600</u>
				820
<b>Farm Barn Deli 2 - Meals/Day</b>				
Main Floor	14	Seats	x 30 GPD/Seat	= 420
Assembly Area/Day	59	People	x 5 GPD/Pers	= 295
Commercial Sink	4	Sinks	x 100 GPD/Sink	= 400
Employees	12	Empl.	x 15 GPD/Empl	= <u>180</u>
			Commercial Total	= 1,295
Commercial and Residential Water Design Total (GPD)				= 2,115

**Septic Tank Sizing Requirements**

Q= 1125 + 75% Design Flow  
 = 2,711 Gallons  
 Use **3,000 Gallons**