

Town of Purcellville
Weekly Water Demand Report
 05/09/2016 - 05/15/2016

Notes:

Day	Date	Main St. Complex	Forbes	Cornwell	Hirst	Mtn View	Marsh Well	Total Wells Production	Water Plant	TOTAL Production	Jefferies Well	Jefferies % of WTP	In-Service Capacity
Mon	5/9	94,900	40,238	67,539	0	33,800	59,900	296,377	266,700	563,077	0	0.0%	66.8%
Tue	5/10	107,600	29,708	50,090	0	30,700	50,900	268,998	261,000	529,998	0	0.0%	62.9%
Wed	5/11	114,100	39,809	66,948	0	29,000	52,000	301,857	275,000	576,857	0	0.0%	68.4%
Thu	5/12	120,200	35,676	59,847	0	25,500	53,700	294,923	273,000	567,923	0	0.0%	67.4%
Fri	5/13	109,900	38,522	64,811	0	29,300	49,100	291,633	264,800	556,433	0	0.0%	66.0%
Sat	5/14	115,100	41,445	69,666	0	0	65,500	291,711	240,900	532,611	0	0.0%	63.2%
Sun	5/15	106,800	35,190	59,097	0	0	54,300	255,387	182,100	437,487	0	0.0%	51.9%
Weekly Total		768,600	260,588	437,998	0	148,300	385,400	2,000,886	1,763,500	3,764,386	0	0.0%	
Daily Avg's		109,800	37,227	62,571	0	21,186	55,057	285,841	251,929	537,769	0	0.0%	63.8%
Weekly Max's		120,200	41,445	69,666	0	33,800	65,500	301,857	275,000	576,857	0	0.0%	68.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	285,841	251,929	251,929	537,769	31,238,285

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/9	5.30	5.28	0.10
Tue	5/10	5.36	5.26	0.05
Wed	5/11	5.36	5.27	0.00
Thu	5/12	5.48	5.22	0.46
Fri	5/13	5.47	5.25	0.07
Sat	5/14	5.48	5.22	0.18
Sun	5/15	5.46	5.20	0.29
Weekly Total		▪	▪	1.15

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **124.00**

Based on Current Daily Average WTP Production Using Jefferies **124.00**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.13**

Unusual Usage	
Date	
5/9	5,300 Bulk Water Sales
5/10	5,000 Bulk Water Sales
5/11	45,600 Bulk Water Sales
5/12	15,900 Bulk Water Sales
5/13	27,300 Bulk Water Sales
5/14	
5/15	
Total	99,100