

Town of Purcellville
Weekly Water Demand Report
 05/16/2016 - 05/22/2016

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	5/16	116,000	35,232	59,350	0	37,500	75,600	323,682	280,300	603,982	0	0.0%	71.6%
Tue	5/17	109,900	36,767	62,016	0	27,800	67,500	303,983	273,000	576,983	0	0.0%	68.4%
Wed	5/18	113,800	36,012	60,754	0	34,800	54,000	299,366	197,800	497,166	0	0.0%	59.0%
Thu	5/19	119,300	36,600	61,724	0	22,700	61,100	301,424	270,800	572,224	0	0.0%	67.9%
Fri	5/20	103,400	36,686	62,149	0	29,300	60,900	292,435	267,300	559,735	0	0.0%	66.4%
Sat	5/21	122,700	41,260	69,737	0	0	58,600	292,297	182,200	474,497	0	0.0%	56.3%
Sun	5/22	110,400	38,651	45,184	0	0	68,000	262,235	202,100	464,335	0	0.0%	55.1%
Weekly Total		795,500	261,208	420,914	0	152,100	445,700	2,075,422	1,673,500	3,748,922	0	0.0%	
Daily Avg's		113,643	37,315	60,131	0	21,729	63,671	296,489	239,071	535,560	0	0.0%	63.5%
Weekly Max's		122,700	41,260	69,737	0	37,500	75,600	323,682	280,300	603,982	0	0.0%	71.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	296,489	239,071	239,071	535,560	30,728,691

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/16	5.50	5.20	
Tue	5/17	5.45	5.10	0.20
Wed	5/18	5.44	5.10	
Thu	5/19	5.48	5.10	0.03
Fri	5/20	5.41	5.10	
Sat	5/21	5.50	5.20	0.60
Sun	5/22	5.27	5.20	0.10
Weekly Total		▪	▪	0.93

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **128.53**

Based on Current Daily Average WTP Production Using Jefferies **128.53**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.43**

Unusual Usage		
Date		
5/16	22,600	Bulk Water Sales
5/17	23,700	Bulk Water Sales
5/18	21,100	Bulk Water Sales
5/19	7,100	Bulk Water Sales
5/20	34,700	Bulk Water Sales
5/21		
5/22		
Total	109,200	▪ ▪ ▪ ▪