

Town of Purcellville
Weekly Water Demand Report
 05/08/2017- 05/14/2017

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	5/8	116,500	32,761	63,450	0	29,400	51,800	293,911	305,100	599,011	0	0.0%	70.1%
Tue	5/9	118,500	33,512	64,942	0	33,600	51,900	302,454	294,600	597,054	0	0.0%	69.9%
Wed	5/10	112,800	31,953	62,406	0	31,800	51,800	290,759	301,000	591,759	0	0.0%	69.3%
Thu	5/11	110,500	31,621	61,690	0	31,000	51,900	286,711	241,800	528,511	0	0.0%	61.9%
Fri	5/12	119,400	36,851	71,913	0	33,200	52,100	313,464	264,100	577,564	0	0.0%	67.6%
Sat	5/13	118,700	33,604	65,369	0	4,600	50,300	272,573	200,300	472,873	0	0.0%	55.4%
Sun	5/14	111,100	30,717	61,170	0	0	53,100	256,087	232,000	488,087	0	0.0%	57.2%
Weekly Total		807,500	231,019	450,940	0	163,600	362,900	2,015,959	1,838,900	3,854,859	0		
Daily Avg's		115,357	33,003	64,420	0	23,371	51,843	287,994	262,700	550,694	0	0.0%	64.5%
Weekly Max's		119,400	36,851	71,913	0	33,600	53,100	313,464	305,100	599,011	0	0.0%	70.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	287,994	262,700	262,700	550,694	31,298,634

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/8	5.60	5.24	
Tue	5/9	5.60	5.22	
Wed	5/10	5.60	5.20	
Thu	5/11	5.66	5.30	0.60
Fri	5/12	5.60	5.30	0.53
Sat	5/13	5.50	5.32	0.50
Sun	5/14	5.44	5.30	0.02
Weekly Total				1.65

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **119.14**

Based on Current Daily Average WTP Production Using Jefferies **119.14**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.33**

Bulk Water Usage	
Date	
5/8	14,500 Bulk Water Sales
5/9	27,000 Bulk Water Sales
5/10	27,100 Bulk Water Sales
5/11	
5/12	
5/13	
5/14	
Total	68,600

Exceeds safe yield or permitted capacity