

Town of Purcellville
Weekly Water Demand Report
 05/02/2016 - 05/08/2016

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	5/2	105,000	35,740	60,089	0	29,700	78,100	308,629	306,800	615,429	0	0.0%	73.0%
Tue	5/3	108,700	41,725	70,261	0	32,800	53,000	306,486	308,000	614,486	0	0.0%	72.9%
Wed	5/4	104,300	34,105	57,662	0	29,900	51,100	277,067	260,700	537,767	0	0.0%	63.8%
Thu	5/5	118,600	33,907	57,197	0	34,800	51,100	295,604	274,300	569,904	0	0.0%	67.6%
Fri	5/6	106,700	37,387	62,927	0	37,600	87,900	332,514	265,700	598,214	0	0.0%	71.0%
Sat	5/7	106,000	39,571	66,983	0	0	56,100	268,654	209,600	478,254	0	0.0%	56.7%
Sun	5/8	115,600	42,504	71,597	0	0	62,600	292,301	212,000	504,301	0	0.0%	59.8%
Weekly Total		764,900	264,939	446,716	0	164,800	439,900	2,081,255	1,837,100	3,918,355	0	0.0%	
Daily Avg's		109,271	37,848	63,817	0	23,543	62,843	297,322	262,443	559,765	0	0.0%	66.4%
Weekly Max's		118,600	42,504	71,597	0	37,600	87,900	332,514	308,000	615,429	0	0.0%	73.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,322	262,443	262,443	559,765	30,494,013

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/2	5.20	5.18	0.27
Tue	5/3	5.10	5.22	0.70
Wed	5/4	5.20	5.30	1.28
Thu	5/5	5.20	5.30	0.15
Fri	5/6	5.21	5.35	0.80
Sat	5/7	5.20	5.30	0.18
Sun	5/8	5.14	5.30	0.09
Weekly Total		▪	▪	3.47

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **116.19**

Based on Current Daily Average WTP Production Using Jefferies **116.19**

Based on Current (Permitted) Maximum Reservoir Safe Yield **101.65**

Unusual Usage		
Date	Quantity	Description
5/2	32,700	Bulk Water Sales
5/3	40,000	Bulk Water Sales
5/4	45,400	Bulk Water Sales
5/5	37,700	Bulk Water Sales
5/6	9,300	Bulk Water Sales
5/7		
5/8		
Total	165,100	▪ ▪ ▪ ▪