

Town of Purcellville
Weekly Water Demand Report
 04/24/2017- 04/30/2017

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	4/24	117,400	32,958	63,203	0	25,800	85,800	325,161	243,900	569,061	0	0.0%	66.6%
Tue	4/25	114,000	33,651	64,159	0	25,300	63,900	301,010	257,300	558,310	0	0.0%	65.4%
Wed	4/26	122,800	32,844	62,566	0	24,500	90,800	333,510	274,600	608,110	0	0.0%	71.2%
Thu	4/27	116,700	33,530	64,555	0	26,300	96,200	337,285	288,100	625,385	0	0.0%	73.2%
Fri	4/28	121,300	37,053	70,730	0	32,100	77,300	338,483	289,900	628,383	0	0.0%	73.6%
Sat	4/29	116,100	34,710	66,300	0	31,800	48,900	297,810	223,100	520,910	0	0.0%	61.0%
Sun	4/30	112,200	31,530	61,020	0	30,300	70,200	305,250	222,700	527,950	0	0.0%	61.8%
Weekly Total		820,500	236,276	452,533	0	196,100	533,100	2,238,509	1,799,600	4,038,109	0		
Daily Avg's		117,214	33,754	64,648	0	28,014	76,157	319,787	257,086	576,873	0	0.0%	67.5%
Weekly Max's		122,800	37,053	70,730	0	32,100	96,200	338,483	289,900	628,383	0	0.0%	73.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	319,787	257,086	257,086	576,873	31,314,724

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/24	5.52	5.19	0.08
Tue	4/25	5.52	5.22	0.27
Wed	4/26	5.50	5.21	0.22
Thu	4/27	5.50	5.22	0.02
Fri	4/28	5.47	5.21	
Sat	4/29	5.48	5.24	0.01
Sun	4/30	5.48	5.22	
Weekly Total				0.60

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **121.81**

Based on Current Daily Average WTP Production Using Jefferies **121.81**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.38**

Bulk Water Usage	
Date	
4/24	
4/25	8,900 Bulk Water Sales
4/26	9,400 Bulk Water Sales
4/27	42,000 Bulk Water Sales
4/28	18,100 Bulk Water Sales
4/29	
4/30	
Total	78,400

Exceeds safe yield or permitted capacity