

Town of Purcellville
Weekly Water Demand Report
 03/28/2016 - 04/03/2016

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	3/28	91,600	40,057	69,063	0	23,200	73,700	297,620	264,800	562,420	0	0.0%	66.7%
Tue	3/29	91,900	35,490	58,140	0	37,500	77,200	300,230	260,500	560,730	0	0.0%	66.5%
Wed	3/30	98,600	38,335	62,408	0	41,400	68,200	308,943	255,100	564,043	0	0.0%	66.9%
Thu	3/31	70,200	35,122	59,978	0	32,600	99,000	296,900	209,200	506,100	0	0.0%	60.0%
Fri	4/1	96,300	42,785	56,184	0	31,700	80,900	307,869	270,700	578,569	0	0.0%	68.6%
Sat	4/2	110,100	37,365	72,834	0	0	75,300	295,599	210,000	505,599	0	0.0%	60.0%
Sun	4/3	122,500	46,102	74,096	0	0	75,800	318,498	208,100	526,598	0	0.0%	62.5%
Weekly Total		681,200	275,256	452,703	0	166,400	550,100	2,125,659	1,678,400	3,804,059	0		
Daily Avg's		97,314	39,322	64,672	0	23,771	78,586	303,666	239,771	543,437	0	0.0%	64.5%
Weekly Max's		122,500	46,102	74,096	0	41,400	99,000	318,498	270,700	578,569	0	0.0%	68.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	303,666	239,771	239,771	543,437	30,909,728

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/28	5.42	5.28	0.60
Tue	3/29	5.40	5.22	
Wed	3/30	5.30	5.20	
Thu	3/31	5.38	5.10	
Fri	4/1	5.36	5.10	
Sat	4/2	5.38	5.12	0.30
Sun	4/3	5.38	5.10	
Weekly Total				0.90

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **128.91**

Based on Current Daily Average WTP Production Using Jefferies **128.91**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.03**

Unusual Usage	
Date	
3/28	
3/29	31,500 Bulk Water Sales
3/30	5,400 Bulk Water Sales
3/31	6,800 Bulk Water Sales
4/1	31,300 Bulk Water Sales
4/2	
4/3	
Total	75,000