

Town of Purcellville
Weekly Water Demand Report
 04/03/2017- 04/09/2017

Notes:

Unidirectional flushing continued from 4/10/2017 through 4/14/2017, and then resumed on 4/16/2017. Jefferies well off on 4/12/2107 due to electrical issues. Repairs were conducted and well can be returned to service.

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	4/10	121,100	34,523	64,397	0	27,200	51,100	298,320	338,100	636,420	72,100	21.3%	74.5%
Tue	4/11	117,800	34,293	64,077	0	27,800	51,300	295,270	357,000	652,270	73,100	20.5%	76.4%
Wed	4/12	125,900	33,969	63,265	0	26,600	51,500	301,234	370,800	672,034	36,000	9.7%	78.7%
Thu	4/13	117,900	33,689	63,605	0	27,800	71,600	314,594	407,200	721,794	100	0.0%	84.5%
Fri	4/14	136,100	33,689	76,668	0	33,900	63,600	343,957	355,400	699,357	0	0.0%	81.9%
Sat	4/15	96,100	31,316	58,580	0	20,000	61,100	267,096	196,900	463,996	600	0.3%	54.3%
Sun	4/16	117,500	32,677	61,891	0	25,900	76,600	314,568	336,800	651,368	0	0.0%	76.3%
Weekly Total		832,400	234,156	452,483	0	189,200	426,800	2,135,039	2,362,200	4,497,239	181,900		
Daily Avg's		118,914	33,451	64,640	0	27,029	60,971	305,006	337,457	642,463	25,986	7.7%	75.2%
Weekly Max's		136,100	34,523	76,668	0	33,900	76,600	343,957	407,200	721,794	73,100	21.3%	84.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	305,006	311,471	337,457	642,463	31,269,128

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/10	5.46	5.29	
Tue	4/11	5.42	5.29	
Wed	4/12	5.45	5.22	0.03
Thu	4/13	5.45	5.20	
Fri	4/14	5.41	5.19	
Sat	4/15	5.44	5.18	
Sun	4/16	5.48	5.18	0.01
Weekly Total				0.04

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **92.66**

Based on Current Daily Average WTP Production Using Jefferies **100.39**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.23**

Bulk Water Usage	
Date	Usage
4/10	
4/11	
4/12	
4/13	
4/14	
4/15	
4/16	
Total	0

Exceeds safe yield or permitted capacity