

Town of Purcellville
Weekly Water Demand Report
 10/26/2015- 11/01/2015

Notes:

Unidirectional flushing suspended at approximately 1 a.m. on 10/30/2015.

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	10/26	100,600	34,026	59,425	0	21,800	64,900	280,751	501,300	782,051	44,000	8.8%	92.8%
Tue	10/27	101,600	35,164	61,288	0	30,400	67,700	296,152	385,400	681,552	24,000	6.2%	80.8%
Wed	10/28	96,800	37,031	65,323	0	28,100	82,800	310,054	440,100	750,154	52,100	11.8%	89.0%
Thu	10/29	97,400	30,129	52,862	0	27,100	58,000	265,491	438,000	703,491	50,800	11.6%	83.5%
Fri	10/30	94,200	35,566	62,258	0	22,800	51,600	266,424	309,200	575,624	32,100	10.4%	68.3%
Sat	10/31	104,700	41,398	68,820	0	0	75,200	290,118	216,000	506,118	24,800	11.5%	60.0%
Sun	11/1	92,900	30,754	45,568	0	0	89,000	258,222	221,300	479,522	17,200	7.8%	56.9%
Weekly Total		688,200	244,068	415,544	0	130,200	489,200	1,967,212	2,511,300	4,478,512	245,000		
Daily Avg's		98,314	34,867	59,363	0	18,600	69,886	281,030	358,757	639,787	35,000	9.8%	75.9%
Weekly Max's		104,700	41,398	68,820	0	30,400	89,000	310,054	501,300	782,051	52,100	11.8%	92.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	281,030	323,757	358,757	639,787	27,956,753

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/26	4.70	3.60	
Tue	10/27	4.59	3.54	
Wed	10/28	4.60	3.60	0.51
Thu	10/29	4.61	4.49	0.95
Fri	10/30	4.50	4.52	
Sat	10/31	4.50	4.54	
Sun	11/1	4.50	4.58	0.03
Weekly Total				1.49

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **77.93**

Based on Current Daily Average WTP Production Using Jefferies **86.35**

Based on Current (Permitted) Maximum Reservoir Safe Yield **93.19**

Unusual Usage

Date	
10/26	
10/27	
10/28	
10/29	
10/30	
10/31	
11/1	
Total	0