

Town of Purcellville
Weekly Water Demand Report
 10/19/2015- 10/25/2015

Notes: Unidirectional flushing occurred 10/19 through 10/22. Resumed at approximately 11 p.m. on 10/25.

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	10/19	119,800	37,890	65,795	0	49,300	106,000	378,785	449,300	828,085	50,200	11.2%	98.2%
Tue	10/20	95,600	42,858	74,011	0	35,900	89,700	338,069	433,800	771,869	47,500	10.9%	91.6%
Wed	10/21	89,600	34,652	60,161	0	33,900	77,000	295,313	433,400	728,713	42,000	9.7%	86.4%
Thu	10/22	108,400	29,748	51,873	0	40,900	94,400	325,321	438,800	764,121	42,600	9.7%	90.6%
Fri	10/23	85,000	32,909	57,264	0	30,700	51,300	257,173	367,000	624,173	34,800	9.5%	74.0%
Sat	10/24	98,200	40,247	69,884	0	21,900	70,500	300,731	171,400	472,131	20,000	11.7%	56.0%
Sun	10/25	100,000	32,715	57,236	0	25,100	70,500	285,551	195,600	481,151	21,800	11.1%	57.1%
Weekly Total		696,600	251,019	436,224	0	237,700	559,400	2,180,943	2,489,300	4,670,243	258,900		
Daily Avg's		99,514	35,860	62,318	0	33,957	79,914	311,563	355,614	667,178	36,986	10.4%	79.1%
Weekly Max's		119,800	42,858	74,011	0	49,300	106,000	378,785	449,300	828,085	50,200	11.7%	98.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	311,563	318,629	355,614	667,178	27,645,123

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/19	4.98	4.24	
Tue	10/20	4.98	4.22	
Wed	10/21	4.81	3.99	
Thu	10/22	4.78	3.90	
Fri	10/23	4.72	3.85	
Sat	10/24	4.72	3.74	
Sun	10/25	4.74	3.70	0.04
Weekly Total				0.04

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	77.74
Based on Current Daily Average WTP Production Using Jefferies	86.76
Based on Current (Permitted) Maximum Reservoir Safe Yield	92.15

Unusual Usage	
Date	
10/19	
10/20	
10/21	
10/22	
10/23	10,000 Line flushing at Mayfair
10/24	
10/25	10,000 Fire Dept.
Total	20,000