

Town of Purcellville
Weekly Water Demand Report
 10/05/2015- 10/11/2015

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	10/5	104,300	34,150	61,512	0	46,200	85,300	331,462	269,900	601,362	29,400	10.9%	71.3%
Tue	10/6	102,300	37,517	64,671	0	35,700	55,400	295,588	244,900	540,488	26,300	10.7%	64.1%
Wed	10/7	91,000	32,600	56,181	0	20,100	59,800	259,681	229,200	488,881	24,500	10.7%	58.0%
Thu	10/8	101,100	33,223	57,167	0	34,300	77,900	303,690	253,700	557,390	27,500	10.8%	66.1%
Fri	10/9	82,300	35,501	64,437	0	21,700	63,700	267,638	273,400	541,038	21,000	7.7%	64.2%
Sat	10/10	103,800	39,193	67,011	0	0	64,700	274,704	179,300	454,004	18,700	10.4%	53.9%
Sun	10/11	113,100	45,546	77,922	0	0	68,900	305,468	238,400	543,868	18,800	7.9%	64.5%
Weekly Total		697,900	257,730	448,901	0	158,000	475,700	2,038,231	1,688,800	3,727,031	166,200		
Daily Avg's		99,700	36,819	64,129	0	22,571	67,957	291,176	241,257	532,433	23,743	9.8%	63.2%
Weekly Max's		113,100	45,546	77,922	0	46,200	85,300	331,462	273,400	601,362	29,400	10.9%	71.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	291,176	217,514	241,257	532,433	29,765,808

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/5	5.22	4.80	0.13
Tue	10/6	5.22	4.80	
Wed	10/7	5.20	4.78	
Thu	10/8	5.20	4.78	
Fri	10/9	5.20	4.65	
Sat	10/10	5.20	4.60	0.10
Sun	10/11	5.20	4.52	
Weekly Total				0.23

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **123.38**

Based on Current Daily Average WTP Production Using Jefferies **136.85**

Based on Current (Permitted) Maximum Reservoir Safe Yield **99.22**

Unusual Usage	
Date	
10/5	
10/6	
10/7	
10/8	10,000 Fire Dept.
10/9	
10/10	
10/11	
Total	10,000