

Town of Purcellville
Weekly Water Demand Report
 09/14/2015- 09/20/2015

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	9/14	90,500	30,577	56,769	0	42,600	74,200	294,646	282,000	576,646	34,800	12.3%	68.4%
Tue	9/15	95,400	32,732	60,554	0	39,900	77,800	306,386	255,000	561,386	21,400	8.4%	66.6%
Wed	9/16	91,600	32,246	59,634	0	31,800	76,000	291,280	211,200	502,480	22,400	10.6%	59.6%
Thu	9/17	96,300	31,442	58,275	0	34,600	71,000	291,617	266,200	557,817	27,000	10.1%	66.2%
Fri	9/18	90,100	32,718	60,681	0	32,300	60,200	275,999	281,600	557,599	32,100	11.4%	66.1%
Sat	9/19	97,100	36,138	67,159	0	0	55,500	255,897	253,000	508,897	23,500	9.3%	60.4%
Sun	9/20	101,000	34,197	64,019	0	0	75,500	274,716	248,200	522,916	20,800	8.4%	62.0%
Weekly Total		662,000	230,050	427,091	0	181,200	490,200	1,990,541	1,797,200	3,787,741	182,000		
Daily Avg's		94,571	32,864	61,013	0	25,886	70,029	284,363	256,743	541,106	26,000	10.1%	64.2%
Weekly Max's		101,000	36,138	67,159	0	42,600	77,800	306,386	282,000	576,646	34,800	12.3%	68.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	284,363	230,743	256,743	541,106	27,044,463

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/14	4.54	4.42	0.02
Tue	9/15	4.50	4.34	
Wed	9/16	4.50	4.30	
Thu	9/17	4.50	4.20	
Fri	9/18	4.48	4.18	
Sat	9/19	4.44	4.10	
Sun	9/20	4.40	3.98	
Weekly Total				0.02

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **105.34**

Based on Current Daily Average WTP Production Using Jefferies **117.21**

Based on Current (Permitted) Maximum Reservoir Safe Yield **90.15**

Unusual Usage	
Date	
9/14	
9/15	
9/16	
9/17	
9/18	
9/19	
9/20	
Total	0