

Town of Purcellville
Weekly Water Demand Report
 11/09/2015- 11/15/2015

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	11/9	97,400	28,443	55,973	0	31,700	59,000	272,516	238,000	510,516	26,800	11.3%	60.6%
Tue	11/10	117,500	37,058	72,339	0	31,000	61,100	318,997	228,200	547,197	22,900	10.0%	64.9%
Wed	11/11	77,000	23,435	45,738	0	15,700	70,300	232,173	280,400	512,573	34,900	12.4%	60.8%
Thu	11/12	105,400	30,468	59,420	0	30,500	60,100	285,888	204,600	490,488	23,600	11.5%	58.2%
Fri	11/13	91,400	30,623	60,287	0	31,900	65,200	279,410	227,800	507,210	23,600	10.4%	60.2%
Sat	11/14	109,900	36,021	70,849	0	0	60,300	277,070	216,300	493,370	26,000	12.0%	58.5%
Sun	11/15	109,500	35,631	70,292	0	0	72,100	287,523	219,900	507,423	27,200	12.4%	60.2%
Weekly Total		708,100	221,679	434,898	0	140,800	448,100	1,953,577	1,615,200	3,568,777	185,000		
Daily Avg's		101,157	31,668	62,128	0	20,114	64,014	279,082	230,743	509,825	26,429	11.5%	60.5%
Weekly Max's		117,500	37,058	72,339	0	31,900	72,100	318,997	280,400	547,197	34,900	12.4%	64.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	279,082	204,314	230,743	509,825	28,515,965

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/9	4.60	4.08	
Tue	11/10	4.70	4.28	0.80
Wed	11/11	4.68	4.25	0.16
Thu	11/12	4.62	4.82	0.10
Fri	11/13	4.68	4.78	
Sat	11/14	4.70	4.90	
Sun	11/15	4.70	4.60	
Weekly Total				1.06

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **123.58**

Based on Current Daily Average WTP Production Using Jefferies **139.57**

Based on Current (Permitted) Maximum Reservoir Safe Yield **95.05**

Unusual Usage	
Date	
11/9	
11/10	
11/11	UK Fields Farm Fire
11/12	
11/13	
11/14	
11/15	
Total	0