

Town of Purcellville
Weekly Water Demand Report
 09/28/2015- 10/04/2015

Notes:

Main Street Wells off-line on 10/1/2015 for carbon replacement.

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	9/28	93,600	30,274	57,669	0	37,000	72,000	290,543	277,000	567,543	28,000	10.1%	67.3%
Tue	9/29	101,200	33,717	64,415	0	33,000	69,200	301,532	246,900	548,432	24,300	9.8%	65.1%
Wed	9/30	85,700	33,545	64,116	0	28,100	66,300	277,761	231,300	509,061	24,400	10.5%	60.4%
Thu	10/1	17,000	26,009	50,046	0	40,200	86,200	219,455	281,600	501,055	29,700	10.5%	59.4%
Fri	10/2	80,500	37,133	71,478	0	28,200	86,300	303,611	302,200	605,811	29,200	9.7%	71.9%
Sat	10/3	87,700	31,020	59,671	0	0	62,400	240,791	165,200	405,991	17,700	10.7%	48.2%
Sun	10/4	100,900	33,772	65,434	0	0	65,900	266,006	208,800	474,806	20,500	9.8%	56.3%
Weekly Total		566,600	225,470	432,829	0	166,500	508,300	1,899,699	1,713,000	3,612,699	173,800		
Daily Avg's		80,943	32,210	61,833	0	23,786	72,614	271,386	244,714	516,100	24,829	10.1%	61.2%
Weekly Max's		101,200	37,133	71,478	0	40,200	86,300	303,611	302,200	605,811	29,700	10.7%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	271,386	219,886	244,714	516,100	30,158,750

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/28	4.40	3.00	
Tue	9/29	4.50	2.76	0.01
Wed	9/30	4.75	4.90	3.25
Thu	10/1	5.00	4.40	0.20
Fri	10/2	5.00	4.56	0.22
Sat	10/3	5.10	5.20	1.50
Sun	10/4	5.10	5.10	0.45
Weekly Total				5.63

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	123.24
Based on Current Daily Average WTP Production Using Jefferies	137.16
Based on Current (Permitted) Maximum Reservoir Safe Yield	100.53

Unusual Usage	
Date	
9/28	
9/29	
9/30	
10/1	
10/2	
10/3	
10/4	
Total	0