

Town of Purcellville
Weekly Water Demand Report
 09/21/2015- 09/27/2015

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	9/21	99,200	32,224	59,941	0	39,700	93,800	324,865	289,000	613,865	26,900	9.3%	72.8%
Tue	9/22	89,300	31,668	59,356	0	31,000	77,300	288,624	270,800	559,424	27,900	10.3%	66.4%
Wed	9/23	100,900	32,772	61,469	0	24,700	44,600	264,441	244,800	509,241	25,400	10.4%	60.4%
Thu	9/24	95,860	29,948	56,494	0	24,000	61,200	267,502	274,400	541,902	24,700	9.0%	64.3%
Fri	9/25	94,240	35,195	66,306	0	26,400	54,900	277,041	291,700	568,741	29,900	10.3%	67.5%
Sat	9/26	104,100	37,672	71,058	0	0	77,600	290,430	212,200	502,630	22,800	10.7%	59.6%
Sun	9/27	90,900	29,208	55,209	0	0	77,700	253,017	213,900	466,917	22,000	10.3%	55.4%
Weekly Total		674,500	228,687	429,833	0	145,800	487,100	1,965,920	1,796,800	3,762,720	179,600		
Daily Avg's		96,357	32,670	61,405	0	20,829	69,586	280,846	256,686	537,531	25,657	10.0%	63.8%
Weekly Max's		104,100	37,672	71,058	0	39,700	93,800	324,865	291,700	613,865	29,900	10.7%	72.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	280,846	231,029	256,686	537,531	26,165,629

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/21	4.40	3.90	
Tue	9/22	4.39	3.88	
Wed	9/23	4.30	3.80	
Thu	9/24	4.30	3.75	
Fri	9/25	4.29	3.69	
Sat	9/26	4.27	3.65	
Sun	9/27	4.30	3.40	0.10
Weekly Total				0.10

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	101.94
Based on Current Daily Average WTP Production Using Jefferies	113.26
Based on Current (Permitted) Maximum Reservoir Safe Yield	87.22

Unusual Usage	
Date	
9/21	
9/22	
9/23	
9/24	
9/25	
9/26	
9/27	
Total	0