

Town of Purcellville  
**Weekly Water Demand Report**  
 10/12/2015- 10/18/2015

**Notes:** Unidirectional Flushing Program started at approximately 11 p.m. on 10/18/2015.

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	10/12	81,100	28,168	48,548	0	0	72,300	230,116	221,200	451,316	23,100	10.4%	53.5%
Tue	10/13	88,100	35,630	61,014	0	38,200	63,500	286,444	242,000	528,444	30,100	12.4%	62.7%
Wed	10/14	98,600	33,314	57,160	0	37,800	64,500	291,374	225,000	516,374	20,800	9.2%	61.3%
Thu	10/15	93,100	33,468	57,450	0	36,000	65,000	285,018	217,000	502,018	24,400	11.2%	59.6%
Fri	10/16	90,400	34,089	59,118	0	39,200	74,300	297,107	255,700	552,807	25,700	10.1%	65.6%
Sat	10/17	100,700	38,144	65,924	0	0	85,900	290,668	268,300	558,968	30,000	11.2%	66.3%
Sun	10/18	117,400	40,732	70,331	0	0	74,500	302,963	262,700	565,663	23,000	8.8%	67.1%
<b>Weekly Total</b>		<b>669,400</b>	<b>243,545</b>	<b>419,545</b>	<b>0</b>	<b>151,200</b>	<b>500,000</b>	<b>1,983,690</b>	<b>1,691,900</b>	<b>3,675,590</b>	<b>177,100</b>		
<b>Daily Avg's</b>		<b>95,629</b>	<b>34,792</b>	<b>59,935</b>	<b>0</b>	<b>21,600</b>	<b>71,429</b>	<b>283,384</b>	<b>241,700</b>	<b>525,084</b>	<b>25,300</b>	<b>10.5%</b>	<b>62.3%</b>
<b>Weekly Max's</b>		<b>117,400</b>	<b>40,732</b>	<b>70,331</b>	<b>0</b>	<b>39,200</b>	<b>85,900</b>	<b>302,963</b>	<b>268,300</b>	<b>565,663</b>	<b>30,100</b>	<b>12.4%</b>	<b>67.1%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>283,384</b>	<b>216,400</b>	<b>241,700</b>	<b>525,084</b>	<b>28,968,959</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/12	5.19	4.47	
Tue	10/13	5.19	4.47	
Wed	10/14	5.20	4.90	
Thu	10/15	5.10	4.30	
Fri	10/16	5.09	4.28	
Sat	10/17	5.00	4.38	
Sun	10/18	5.00	4.28	
<b>Weekly Total</b>				<b>0.00</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **119.86**

Based on Current Daily Average WTP Production Using Jefferies **133.87**

Based on Current (Permitted) Maximum Reservoir Safe Yield **96.56**

<b>Unusual Usage</b>	
Date	
10/12	
10/13	
10/14	
10/15	18,000 Main break at golf course
10/16	
10/17	80,000 Fire Dept. Training
10/18	
<b>Total</b>	<b>98,000</b>