

# Forest View Acres Water District

Operations Report –June 2016

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## Arapahoe Water Plant

- The plant produced 77% of demand.
- Please see the chart below detailing water usage.

**Arapahoe Water Plant**

Year	Month	Finished Meter		Backwash Meter		Bypass meter		Tank
		Totalizer	Production	Totalizer	Usage	Totalizer	Waste	Level
2016	Jan	33130818	239,688	12328200	8,000	3722700	1000	21.1
	Feb	33420016	289,198	12338800	10,600	3726600	3900	21.6
	Mar	34248328	828,312	12357300	18,500	3728500	1900	22
	April	35612776	1,364,448	12391600	34,300	3731600	3100	22
	May	36977857	1,365,081	12428500	36,900	3734800	3200	21.4
	June	39173341	2,195,484	12484100	55,600	3738200	3400	21
	July							
	August				0		0	
	September				0		0	
	October				0		0	
	November				0		0	
	December				0		0	

## Booster Station

- The new tank was filled, disinfected, sampled and drained on 6/13.
- The pump station was put online 6/17 and has been working well since.

## Surface Water Plant

- The plant inlet was cleaned on 6/2 to restore flow to the SWTP.
- The plant was put online but due to higher turbidities, run time between backwashes was low resulting in approximately 69% of water produced being used for backwash.

- On 6/21 the SWTP went down due to a power surge, which took out 2 turbidimeters and the battery backup for the PLC. It was restored on 6/22.
- The turbidimeters have been replaced.
- The microscopic particulate analysis apparatus was setup and collected on 6/27
- See the attached chart for details on water production.

**Surface Water Treatment Plant**

Year	Month	Finished Meter			Recycle Meter		Backwash Meter		
		Totalizer	Production	Production Less Recycle	BW Recycle Totalizer	BW Recycle Production	Totalizer	Usage	% of Prod
2016	Jan	93834028	1,339,505	1,339,505	1013389	0	4476900	184,700	14%
	Feb	95276948	1,442,920	1,442,920	1013389	0	4767000	290,100	20%
	Mar	96179831	902,883	902,543	1013729	340	5057900	290,900	32%
	Apr	96179831	0	0	1013729	0	5057900	0	#DIV/0!
	May	96183505	3,674	3,668	1013735	6	5088600	30,700	837%
	Jun	96917595	734,090	672,726	1075099	61364	5597500	508,900	69%
	Jul								
	Aug				0		0	0	#DIV/0!
	Sep				0		0	0	#DIV/0!
	Oct				0		0	0	#DIV/0!
	Nov				0		0	0	#DIV/0!
	Dec				0		0	0	#DIV/0!

## Distribution System

- The meter reads were performed on June 28th
- Routine bacteriological sample was taken on June 20th with an acceptable result.
- Please see the chart below detailing production for June.

Year	Month	SWTP Production -BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy
2016	Jan	1,154,805	83%	239,688	17%	1,394,493	1,088,057	21.97%
	Feb	1,152,820	80%	289,198	20%	1,442,018	1,051,373	27.09%
	Mar	611,983	42%	828,312	58%	1,440,295	1,169,774	18.78%
	Apr	0	0%	1,364,448	100%	1,364,448	1,133,779	16.91%
	May	-27,026	-2%	1,365,081	102%	1,338,055	1,069,178	20.09%
	Jun	672,726	23%	2,195,484	77%	2,868,210	2,014,164	29.78%
	Jul							
	Aug							
	Sep							
	Oct							
	Nov							
	Dec							
<b>Total</b>		<b>3,565,308</b>	<b>38%</b>	<b>6,282,211</b>	<b>62%</b>	<b>9,847,519</b>	<b>7,526,325</b>	<b>23.57%</b>

