

Forest View Acres Water District

Operations Report –July 2016

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Arapahoe Water Plant

- The plant produced 65% of demand
- The chemical injectors were changed out as part of routine preventative maintenance on 7/11
- An alarm from the booster station prevented the AWP from running on 7/21. The alarm was cleared and the AWP was restored.

Surface Water Plant

- The new battery backup was installed and is working well.
- The new turbidimeter controller was installed on 7/5 and is working well.
- A fox was fished out of the backwash pond on 7/6

Distribution System

- The meter reads were performed on July 29th.
- Routine bacteriological sample was taken on July 26th with an acceptable result.
- A massive line break occurred the night of 7/21. We were initially notified via the AWP alarm for a booster pump station failure. The surge anticipator valve alarms when a high water surge occurs. The break was isolated for the night to preserve water in the tank for some of the system.
- Repairs were made to the line on 7/22 and the system pressure was restored.
- Please see the chart below detailing production for July.

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							
Total		3,565,308	38%	6,282,211	62%	9,847,519	7,526,325	23.57%

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	41070705	1,897,364	12531000	46,900	3745500	7300	19.5
	August				0		0	
	September				0		0	
	October				0		0	
	November				0		0	
	December				0		0	

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	98447104	1,529,509	1,039,209	1115481	40382	6087800	490,300	
	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!