

ORIGINAL



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UTILITY: APPALOOSA WATER COMPANY  
DOCKET: W-03443A-13-0379  
DECISION NO: 74787

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AZ CORP COMMISSION  
DOCKET CONTROL

OCTOBER 2015 NOVEMBER 2015 DECEMBER 2015  
WATER LOSS PREVENTION PLAN REPORT

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Attachments:

- A. Water system usage and loss reports OCTOBER 2015, NOVEMBER 2015, AND DECEMBER 2015

Arizona Corporation Commission

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JAN 28 2016

DOCKETED BY *JK*

Page 1. Company's Software.

The company has purchased the RVS Utility Billing Systems that collects and produces system total reports that is utilized in the company's dedication to preventing water loss. In this report a detailed analysis is presented to understand the processes of the company's endeavor to prevent water loss.

There were 10 accounts on the RVS System that had become corrupt and would give incorrect charges for the water usage. These accounts were creating a significant water loss in the system.

The operation manager called to our attention that the system was not calculating our actual loss correctly.

RVS Systems were unable to correct those accounts for accurate readings. The 10 corrupt accounts were moved and restarted and are monitored for accuracy.

The 10 accounts on the RVS System has been monitored. The accounts that were effecting the water loss are now consistent with the actual water usage.

The usage and loss figures from the system report is being corrected and the accurately reporting of the loss has been consistent for the last 3 months.

Page 2. Meter Reading

Consistent with the water loss prevention plan all meter readings are completed within one day so there is no fluctuations of monthly water loss numbers.

The meter readings number of days from month to month are consistent so to prevent unusual fluctuations of usage under normal water usage within the same month.

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Page 3. System Adjustment

Dividing the water system into routes for prioritizing of work for a problem is not applicable at this time.

Page 4. Software Water Loss Reports

Company has made adjustments to the water loss reports that includes the flushing of lines for arsenic filter media installation, or any testing done by the fire department (flushing). The Water Production Operator has worked with both the well 1 meter sticking and the usage and loss reports within the computer system to correct and have more accurate readings.

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Page 5. Bypass Monitor Meters.

Company does not need to isolate lines at this time.

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Page 6. Bypass Monitor Meter at the Water Storage Tanks

This is not needed at this time.

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Page 7. Meter Change-out

Meters are periodically tested and if needed are changed-out. No meter has been found to be of need to be changed.

Page 8. Leak Detection Equipment

At this time it is not necessary to purchase leak detection equipment until the suspected cause of water loss is completed and all other methods of water leakage discovery are utilized.

Page 9. Line Breaks

Operation Contractor inspects distribution system on an ongoing basis and completes any minor replacement or repairs needed. Any other issues are reported to the company for budgeting for any major repairs. Contractor recommends the replacement of parts for well 1 meter sticking. This is considered a major repairs and is waiting for documentation for costs so that it can be budgeted for.

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Page 10. Additional Water Storage Tank and Water Lines.

Company has a storage tank and lines for any major leak. It will be determined at a later date as to the feasibility for an additional storage tank.

Page 11. Electrical Systems

The company has requested for permission for an up to date electrical system to be installed and is waiting for loan approval. The approval for a generator has been approved and the company is waiting for the loan to be approved for installation. The company has had to reevaluate the timetable for the electrical system. The company is unable to procure approval for the loan and will need to table the project until it is more feasible.

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**CONCLUSION:**

The usage water loss readings report for the October, November, and December 2015 readings for water loss prevention reflect the earlier corrections that were implemented by the company and is continuing to have the water loss below the required 10%. Attached is the Pump Total Reports reflecting the water pumped, sold and the water loss percent for each month.

Submitted by:  
Joseph Cordovana, President

11/2/2015

1:06:01PM

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# Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

1,830,300 Gallons

5/8 Sold This Month

1,816,410 Gallons

5/8 Loss

13,890 Gallons

5/8 Loss (%)

0.76 %

	Amount (\$)	# Of Accounts
Total 5/8	9,372.03	183
Total 1	3,149.15	46
Total Late Fee	22.26	27
Total Adjustments	-300.03	7
Total Tax	1,295.91	229
<b>Total Current Charges</b>	<b>13,539.32</b>	<b>229</b>
<hr/>		
Amount Past Due 1-30 Days	1,453.22	22
Amount Past Due 31-60 Days	157.28	3
Amount Past Due Over 60 Days	529.24	3
Amount Of Overpayments/Prepayments	-1,391.69	31
<b>Total Receivables</b>	<b>14,287.37</b>	<b>230</b>

Total Receipts On Account	12,956.48	204
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	424.85	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	7,384	246
Average 5/8 Charge For Active Meters	38.10	183

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		5	173,280	9.54	7.26
20,001-30,000		8	196,020	10.79	10.39
10,001-20,000		49	639,500	35.21	27.84
8,001-10,000		28	247,390	13.62	14.42
6,001-8,000		33	228,310	12.57	11.24
4,001-6,000		38	186,720	10.28	11.45
2,001-4,000		42	125,710	6.92	10.94
1-2,000		18	19,480	1.07	4.33
Zero Usage		25	0	0.00	2.13
<hr/>					
<b>Total Meters</b>		<b>246</b>	<b>1,816,410</b>	<b>100.00</b>	<b>100.00</b>

12/1/2015

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11/30/2015

# Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

965,900 Gallons

5/8 Sold This Month

952,390 Gallons

5/8 Loss

13,510 Gallons

5/8 Loss (%)

1.40 %

	Amount (\$)	# Of Accounts
Total 5/8	6,597.64	184
Total 1	2,629.52	47
Total Late Fee	30.56	33
Total Adjustments	-88.00	2
Total Tax	955.02	231
<b>Total Current Charges</b>	<b>10,124.74</b>	<b>231</b>

Amount Past Due 1-30 Days	2,191.71	33
Amount Past Due 31-60 Days	205.87	5
Amount Past Due Over 60 Days	501.09	3
Amount Of Overpayments/Prepayments	-1,595.56	24
<b>Total Receivables</b>	<b>11,427.85</b>	<b>232</b>

Total Receipts On Account	12,984.26	198
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	452.44	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,856	247
Average 5/8 Charge For Active Meters	26.71	184

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		1	37,510	3.94	2.72
20,001-30,000		1	22,670	2.38	1.72
10,001-20,000		10	119,540	12.55	8.02
8,001-10,000		7	63,250	6.64	4.06
6,001-8,000		27	186,660	19.60	13.89
4,001-6,000		47	232,370	24.40	20.80
2,001-4,000		84	233,630	24.53	30.00
1-2,000		43	56,760	5.96	14.62
Zero Usage		27	0	0.00	4.17
<b>Total Meters</b>		<b>247</b>	<b>952,390</b>	<b>100.00</b>	<b>100.00</b>

1/4/2016

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# Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

820,200 Gallons

5/8 Sold This Month

802,450 Gallons

5/8 Loss

17,750 Gallons

5/8 Loss (%)

2.16 %

	Amount (\$)	# Of Accounts
Total 5/8	6,205.39	185
Total 1	2,519.73	47
Total Late Fee	20.63	35
Total Adjustments	-389.15	5
Total Tax	903.13	232
<b>Total Current Charges</b>	<b>9,259.73</b>	<b>232</b>

Amount Past Due 1-30 Days	1,501.63	25
Amount Past Due 31-60 Days	102.37	4
Amount Past Due Over 60 Days	6.09	1
Amount Of Overpayments/Prepayments	-1,902.21	45
<b>Total Receivables</b>	<b>8,967.61</b>	<b>232</b>

Total Receipts On Account	11,719.97	203
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	55.18	17
Collection Accounts (Amount Owed)	0.00	
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,236	248
Average 5/8 Charge For Active Meters	25.02	185

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		0		0	0.00	0.00
40,001-50,000		0		0	0.00	0.00
30,001-40,000		0		0	0.00	0.00
20,001-30,000		0		0	0.00	0.00
10,001-20,000		6		94,010	11.72	7.97
8,001-10,000		4		35,670	4.45	2.48
6,001-8,000		20		136,370	16.99	10.56
4,001-6,000		41		201,470	25.11	16.12
2,001-4,000		99		275,890	34.38	40.00
1-2,000		48		59,040	7.36	17.63
Zero Usage		30		0	0.00	5.24
<b>Total Meters</b>		<b>248</b>		<b>802,450</b>	<b>100.00</b>	<b>100.00</b>