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UTILITY: APPALOOSA WATER COMPANY
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DECISION NO: 73270

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JULY 2014 THROUGH DECEMBER 2014
6 MONTH REPORT
WATER LOSS PREVENTION PLAN REPORT

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Arizona Corporation Commission

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Attachments:

- A. Water system usage and loss reports July 2014 through December 2014.

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 for October, November, December of 2014. The accounts that were effecting the water loss are now consistent with the actual water usage.

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.

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 not 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).

Monitored accounts (10) for accuracy of calculations errors that had been identified have been correctly calculating.

Two distribution leaks were discovered and corrected/repaired.

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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.

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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.

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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. No issues have been discovered in this reporting period.

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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.

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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.

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CONCLUSION:

The usage water loss readings report for the 6 month report including July through December 2014 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%.

Submitted by:
Joseph Cordovana, President

2014

	Sold	Well 1	Total	Well 2	Total	Filter A	Filter B	Accounted	Accounted Notes
Prior									
Jan.	967,120	28077200	1,254,800	47828000	71796330	43288600	1	8000	AS filter flush
Feb.	969,340	29257100	1,179,900	47831000	72812900	43823200	1	1000	
March	1,152,160	30899800	1,642,700	47831000	73657400	44385000	1		
April	2,094,180	32853800	1,954,000	47894000	74465183	45080300	1		
May	2,308,980	35000800	2,147,000	47894000	75744148	46020649	1000		
June	2,600,110	36127900	1,127,100	48710000	76936989	48461282	-514000		Well 1 sticking, jam
July	2,428,420	38046000	1,918,100	49091000	78051863	49643308			
Aug.	1,428,030	39489500	1,443,500	49115000	78826725	50237576			
Sept.	1,911,300	41336800	1,847,300	49179000	79679810	51170378			
Oct	1,602,550	42936900	1,600,100	49198000	80430327	51935365			
Nov	1,027,300	43963200	1,026,300	49199000	80915046	52406595			
Dec.	871,800	44835000	871,800	49199000	81313230	52817441			
	19,361,270	Total	18,012,600	Total	1,371,000	Total		(504,997)	8006

Annual Filter A 9,516,900
 Annual Filter B 9,528,841
 Annual Accounted (504,997)
 Annual Accounted 8006

← system loss

2.72%
 -1.70%

Loss by Mechanical Meters
 Loss by Digital Meters

Monthly Pumpage	Mech.	Digital
Jan.	1,254,800	1,002,770
Feb.	1,182,900	1,110,200
March	1,642,700	1,539,800
April	2,017,000	1,748,132
May	1,002,770	2,455,061
June	1,110,200	2,457,378
July	1,539,800	2,296,900
Aug.	1,748,132	1,369,130

Sept	Oct	Nov	Dec
1,911,300	1,619,100	1,027,300	871,800
1,785,887	1,515,504	955,949	809,030



Yavapai Water Production
 Kimble McClymonds RS
 2132 Stringfield Dr (928-899-3794)
 Prescott AZ 86305

A.
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