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

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2014 OCT 31 A 10:39

AZ CORP COMMISSION  
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JULY 2014 AUGUST 2014 SEPTEMBER 2014  
WATER LOSS PREVENTION PLAN REPORT

ORIGINAL

- Page 1. Company's Software
- Page 2. Meter Reading
- Page 3. System Adjustment
- Page 4. Software Water Loss Reports
- Page 5. Bypass Monitor Meters
- Page 6. Bypass Monitor Meters at Water Storage Tank Site.
- Page 7. Meter Change-outs
- Page 8. Leak Detection Equipment
- Page 9. Line Breaks
- Page 10. Additional storage tank and water lines.
- Page 11. Electrical Systems

Arizona Corporation Commission

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Attachments:

- A. Water system usage and loss reports July 2014, August 2014, and September 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 July, August, and September 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

Computer generated loss reports are dependent upon meter readings for each month. The company has been working with RVS representatives to correct the calculations on 10 accounts that have not calculated correctly. A 50,000 gallon usage would record as 5,000 gallons. RVS has been unable to correct this error. The company has removed the corrupted accounts and replaced them. Those accounts are monitored for accuracy of calculations as are all other accounts. The underestimated accounts have been long term and would be contributable to a large percent of water loss on the water loss reports.

Company has not made any 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).

Two distribution leaks were discovered.

Accuracy of calculations monitoring has been consistent since the accounts effected have been corrected.

W-03443A-13-0379  
Decision No. 74787

Page 5. Bypass Monitor Meters.  
Company does not need to isolate lines at this time.

W-03443A-13-0379  
Decision No. 74787

Page 6. Bypass Monitor Meter at the Water Storage Tanks

This is not needed at this time.

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. No issues have been discovered in this reporting period.

W-03443A-13-0379  
Decision No. 74787

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.

**CONCLUSION:**

The water loss readings for the January 2013 through June 2014 readings are inaccurate and in order to get a true reading the company has instituted the following corrections:

1. Identified the corrupt accounts and are monitoring the new accounts for accuracy to insure a correct water loss report.
2. Has implemented a policy for the office to receive a report from the water operation contractor of how much water was used in the media installation and if any fire department testing of system was done.
3. Apply all past water usage not recorded to current water loss reports.
4. Distribution leaks repaired.
5. Well meters monitored for accuracy.

The water loss readings for July, August, September of 2014 reflect the earlier corrections that were implemented by the company and has reduced the water loss to 1.67%.

Submitted by:  
Joseph Cordovana, President

# USAGE AND LOSS REPORT

Wednesday, October 29, 2014  
Reprinted For: 10/28/2014  
Appaloosa Water Company

Month	5/8 Pumped	5/8 Sold	5/8 Loss Prct	Average Use	Active Meters	Zero Use Meters	Over 50000	40001	30001	20001	10001	8001	6001	4001	2001	1
07-14	2,299,100	2,428,420	-5.62	10,558	230	23	4	5	2	15	57	29	35	30	32	15
08-14	1,467,500	1,428,030	2.69	6,209	230	24	0	0	2	2	30	25	34	49	54	27
09-14	1,911,300	1,879,310	1.67	8,171	230	23	1	1	3	9	45	35	28	35	49	18

## 3 Month Totals

Total 5/8 Pumped	5,677,900
Total 5/8 Sold	5,735,760
Total Used for Fire/Flush	0
Total 5/8 Loss	-57,860
Total 5/8 Loss Percent	-1.02%

## Monthly Averages

Average 5/8 Pumped	1,892,633
Average 5/8 Sold	1,911,920
Average Used for Fire/Flush	0
Average 5/8 Loss	-19,287
Average 5/8 Loss Percent	-1.02%
Average Customer Use	8,313

Qualified By: System Totals 07-14 to 09-14  
Appaloosa Water