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UTILITY: APPALOOSA WATER COMPANY
DOCKET: W-03443A-10-0143
DECISION NO: 73270

ORIGINAL

JANUARY 2016 FEBRUARY 2016 MARCH 2016
APRIL 2016 MAY 2016 JUNE 2016

WATER LOSS PREVENTION PLAN REPORT

RECEIVED
AZ CORP COMMISSION
DOCKET CONTROL
2016 JUL 28 A 9: 33

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Attachments:

A. Water system usage and loss reports JANUARY 2016, FEBRUARY 2016, MARCH 2016, APRIL 2016, MAY 2016, AND JUNE 2016

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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 36 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.

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.

Page 5. Bypass Monitor Meters.

Company does not need to isolate lines at this time.

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. 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.

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 JANUARY, FEBRUARY, MARCH APRIL, MAY, and JUNE 2016 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

USAGE AND LOSS REPORT

Appaloosa Water Company

Month	5/8 Pumped	5/8 Sold	5/8 Loss Prct	Average Use	Active Meters	Zero Use Meters	Over 50000	40001 50000	30001 40000	20001 30000	10001 20000	8001 10000	6001 8000	4001 6000	2001 4000	1 2000
01-16	921,500	902,840	2.02	3,943	229	30	0	0	0	2	9	9	14	47	99	37
02-16	947,600	908,330	4.14	3,967	229	28	0	0	0	1	8	10	18	58	81	43
03-16	1,476,700	1,437,270	2.67	6,276	229	27	0	0	1	3	36	20	39	43	62	16
04-16	1,467,500	1,484,470	-1.16	6,511	228	28	0	0	0	5	39	23	32	53	48	19
05-16	1,713,300	1,647,590	3.84	7,195	229	24	0	1	1	9	33	31	37	40	49	22
06-16	2,659,200	2,587,200	2.71	11,347	228	24	3	2	7	15	78	19	31	29	27	12

6 Month Totals

Total 5/8 Pumped	9,185,800
Total 5/8 Sold	8,967,700
Total Used for Fire/Flush	0
Total 5/8 Loss	218,100
Total 5/8 Loss Percent	2.37 %

Qualified By: System Totals 01-16 to 06-16

Appaloosa Water

Monthly Averages

Average 5/8 Pumped	1,530,967
Average 5/8 Sold	1,494,617
Average Used for Fire/Flush	0
Average 5/8 Loss	36,350
Average 5/8 Loss Percent	2.37 %
Average Customer Use	6,540