

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

| | | |
|-----------------------------|---|---------------------|
| ELECTRONIC INVESTIGATION |) | |
| INTO THE MEASURING |) | |
| RECORDING, AND REPORTING OF |) | CASE NO. 2018-00394 |
| WATER LOSS BY KENTUCKY'S |) | |
| JURISDICTIONAL WATER |) | |
| UTILITIES |) | |

RESPONSE OF
NORTH MCLEAN COUNTY WATER DISTRICT
TO COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018

FILED: JANUARY 10, 2019

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

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| RECORDING, AND REPORTING OF |) | CASE NO. 2018-00394 |
| WATER LOSS BY KENTUCKY'S |) | |
| JURISDICTIONAL WATER |) | |
| UTILITIES |) | |

CERTIFICATION OF RESPONSE OF NORTH MCLEAN COUNTY WATER DISTRICT TO COMMISSION'S
REQUEST FOR INFORMATION

This is to certify that I have supervised the preparation of North McLean County Water District's Response to the Commission's Request for information. the response submitted on behalf of North McLean County Water District is true and accurate to the best of my knowledge, information, and belief formed after a responsible inquiry.

Date: 1-10-2019



Tiffany Sallee, Secretary
North McLean County Water District

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 1

RESPONDING WITNESS: TIFFANY SALLEE

Question 1: Explain in detail the matter in which you measure, calculate, and track water loss, and:

- a. Identify whether you use any manual form (including Excel Spreadsheet) or electronic or mechanized system to calculate and track water loss.
- b. Provide a copy of any form used (including Excel Spreadsheet).
- c. Identify the source of any form or system used.

Response 1: North McLean County Water District calculates water loss on a monthly basis by using master meter usage reports with number of gallons sold to all customers, which is generated by the billing system after all meters are read each month. The master meters readings provide the total amount purchased from our suppliers from monthly master meter records. The difference between water sold and water purchased is our water loss after adjusting for accounted for loss; flushing, fire hydrant usage, line breaks and other usages as identified on our reporting leak form.

- a. North McLean County Water District uses an excel spreadsheet
- b. See attached Spreadsheet
- c. PSC Monthly Water Loss Report spreadsheet.

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 2

RESPONDING WITNESS: TIFFANY SALLEE

Question 2: Explain in detail your understanding of the information to be provided in each categories on the Water Statistics Page (reference page 30) of the annual report required of jurisdictional water utilities, accessed through the Commission's website.

Response 2: Water Statistics (reference page 30)

1. This section includes water produced, purchased and distributed.
2. North McLean County Water District does not produce water.
3. North McLean County Water District will enter water gallons purchased here.
4. Total amount of gallons purchased.
6. Water Sales table
7. Total of water sold to Residential customers.
8. Total of water sold to Commercial customers.
9. Total of water sold to Industrial customers.
10. North McLean County Water District does not have a bulk loading station.
11. North McLean County Water District does not resale water.
12. North McLean County Water District has no other sales.
13. Total of all water sales.
15. Other Water Sales table
16. North McLean County Water District does not have a water treatment plant.
17. North McLean County Water District does not have a wastewater plant.
18. North McLean County Water District flushes monthly and total flushed enter here.
19. North McLean County Water District enters fire department usage here.
20. North McLean County Water District enters other water usages here.
21. Total of other water usage enter here.
23. Water Loss Table
24. Gallons of water loss due to tank overflow enter here.
25. Line breaks usage enter here.
26. Line Leaks usage enter here.

Response 2: continued

27. Other leaks or breaks usage enter here.

28. Total Line loss enter here.

32. Water Loss Percentage Table

33. Total Line Loss divided by Total Purchased

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 3

RESPONDING WITNESS: TIFFANY SALLEE

Question 3: State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.

Response 3: North McLean County Water District does not have any questions at this time regarding the form.

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 4

RESPONDING WITNESS: TIFFANY SALLEE

Question 4: State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix a to this Order.

Response 4: North McLean County Water District does not have any suggestions and improvements at this time regarding the form.

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 5

RESPONDING WITNESS: TIFFANY SALLEE

Question 5: State any questions you have regarding how the information in the updated Commission Form described and Appendix A to this Order is to be incorporated into annual reports.

Response 5: North McLean County Water District does not have any questions at this time.

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 6

RESPONDING WITNESS: TIFFANY SALLEE

Question 6: State any concerns you have regarding the use of the updated Commission Form and attached as Appendix A to this Order.

Response 6: North McLean County Water District does not have any concerns at this time.

NORTH MCLEAN COUNTY WATER DISTRICT

CASE NO. 2018-00394

RESPONSE TO COMMISSION'S REQUEST FOR INFORMATION

QUESTION NO. 7

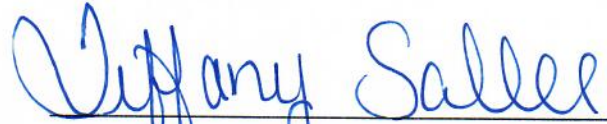
RESPONDING WITNESS: TIFFANY SALLEE

Question 7: State whether you believe it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated Commission Form described and attached as Appendix A to this Order. Fully explain your answer.

Response 7: North McLean County Water District believes it is reasonable, proper, and appropriate to use the Commission Form in Appendix A.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that North McLean County Water District's electronic filing of this Response is true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 10, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two days.



Tiffany Sallee, Secretary

North McLean County Water District

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: North McLean County Water District

For the Month of: January Year: 2019

| LINE # | ITEM | GALLONS (Omit 000's) |
|--------|---|----------------------|
| 1 | WATER PRODUCED, PURCHASED & DISTRIBUTED | |
| 2 | Water Produced | |
| 3 | Water Purchased | |
| 4 | TOTAL PRODUCED AND PURCHASED | - |
| 5 | | |
| 6 | WATER SALES | |
| 7 | Residential | |
| 8 | Commercial | |
| 9 | Industrial | |
| 10 | Bulk Loading Stations | |
| 11 | Wholesale | |
| 12 | Other Sales | |
| 13 | TOTAL WATER SALES | - #DIV/0! |
| 14 | | |
| 15 | OTHER WATER USED | |
| 16 | Utility and/or Water Treatment Plant | |
| 17 | Wastewater Plant | |
| 18 | System Flushing | |
| 19 | Fire Department | |
| 20 | Other | |
| 21 | TOTAL OTHER WATER USED | - #DIV/0! |
| 22 | | |
| 23 | WATER LOSS | |
| 24 | Tank Overflows | |
| 25 | Line Breaks | |
| 26 | Line Leaks | - |
| 27 | Other | |
| 28 | TOTAL LINE LOSS | - #DIV/0! |
| 29 | | |
| 30 | Note: Line 13 + Line 21 + Line 28 Must Equal Line 4 | |
| 31 | | |
| 32 | WATER LOSS PERCENTAGE | |
| 33 | Unaccounted-For Water (Line 28 divided by Line 4) | #DIV/0! |

2018 Gallons Read

| | Hwy 81 | Ohio Co. | 136 E | Cal 81 #2 | Livermore |
|-----------|--------|----------|-----------|------------|-----------|
| January | 6,300 | 23,000 | 576,000 | 6,985,100 | 0 |
| February | 0 | 0 | 886,000 | 7,145,900 | 0 |
| March | 5,400 | 0 | 334,000 | 6,782,300 | 0 |
| April | 4,500 | 0 | 431,000 | 5,439,000 | 0 |
| May | 5,300 | 0 | 402,000 | 8,074,300 | 0 |
| June | 4,000 | 0 | 337,000 | 7,829,900 | 0 |
| July | 4,100 | 0 | 434,000 | 9,933,100 | 0 |
| August | 3,300 | 0 | 253,000 | 7,397,300 | 0 |
| September | 5,600 | 0 | 280,000 | 6,447,200 | 0 |
| October | 4,500 | 0 | 245,000 | 7,059,500 | 0 |
| November | 5,800 | 0 | 233,000 | 5,616,700 | 0 |
| December | 8,900 | 0 | 245,000 | 6,495,500 | 0 |
| Totals | 57,700 | 23,000 | 4,656,000 | 85,205,800 | 0 |

| | Cal 136 W | Livia | W Dav Guf | Cal Hosp | Totals |
|-----------|-----------|--------|-----------|------------|-------------|
| January | 290,500 | 13,600 | 341,000 | 1,971,000 | 10,206,500 |
| February | 356,500 | 0 | 249,000 | 2,267,000 | 10,904,400 |
| March | 356,900 | 13,600 | 377,000 | 1,431,000 | 9,300,200 |
| April | 358,800 | 0 | 236,000 | 1,766,000 | 8,235,300 |
| May | 516,200 | 0 | 553,000 | 2,385,000 | 11,935,800 |
| June | 594,500 | 23,860 | 551,000 | 2,663,000 | 12,023,260 |
| July | 642,200 | 2,700 | 622,000 | 3,121,000 | 14,759,100 |
| August | 336,600 | 0 | 273,000 | 2,161,000 | 10,424,200 |
| September | 337,800 | 16,300 | 438,000 | 2,273,000 | 9,797,900 |
| October | 324,800 | 0 | 331,000 | 2,315,000 | 10,279,800 |
| November | 353,300 | 0 | 247,000 | 1,964,000 | 8,419,800 |
| December | 274,100 | 0 | 352,000 | 1,866,000 | 9,261,500 |
| Totals | 4,742,200 | 70,060 | 4,570,000 | 26,223,000 | 125,547,760 |

2018 Water Loss

| | Purchased | Sold | Acc Loss | Unacc Loss | % Lost |
|-----------|-------------|-------------|-----------|------------|--------|
| January | 10,206,500 | 8,709,800 | 250,000 | 1,246,700 | 12% |
| February | 10,904,400 | 9,000,300 | 55,000 | 1,849,100 | 17% |
| March | 9,300,200 | 7,484,800 | 169,000 | 1,646,400 | 18% |
| April | 8,235,300 | 7,006,100 | 193,800 | 1,035,400 | 13% |
| May | 11,935,800 | 9,465,500 | 155,000 | 2,315,300 | 19% |
| June | 12,023,260 | 11,155,200 | 100,000 | 768,060 | 6% |
| July | 14,759,100 | 13,277,100 | 140,000 | 1,342,000 | 9% |
| August | 10,424,200 | 9,114,400 | 199,000 | 1,110,800 | 11% |
| September | 9,797,900 | 9,146,100 | 5,000 | 646,800 | 7% |
| October | 10,279,800 | 9,641,300 | 172,000 | 466,500 | 5% |
| November | 8,419,800 | 7,296,600 | 70,000 | 1,053,200 | 13% |
| December | 9,261,500 | 7,779,700 | 150,000 | 1,331,800 | 14.4% |
| Totals | 125,547,760 | 109,076,900 | 1,658,800 | 14,812,060 | 12% |

Loss
% Average