

**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 Nelson Water District**

**TO**

**COMMISSION'S REQUEST FOR INFORMATION**

**DATED DECEMBER 18, 2018**

**FILED: January 16, 2019**

**COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION**


**In the Matter of:**

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

**CERTIFICATION OF RESPONSE OF North Nelson Water District TO  
COMMISSION'S REQUEST FOR INFORMATION**

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

Date: 1/16/19

  
\_\_\_\_\_  
Colin Cissell, Manager  
North Nelson Water District

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 1**

**Responding Witness: Colin Cissell**

- Q-1. Explain in detail the manner 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.
- A-1. North Nelson Water District (NNWD) uses its Loss-Gain report to track purchased water, sold water, water used for flushing, and water used by the fire departments. Additionally, NNWD reads its master meters three times per week to check for any unusually high usage.
- a. NNWD uses the PSC water loss report and NNWD's Loss-Gain report.
  - b. See appendix A
  - c. Public Service Commission's water loss report

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 2**

**Responding Witness: Colin Cissell**

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

A-2. Lines 1-4 of the Water Statistics page is the amount of water that is purchased.

Lines 6-13 of the Water Statistics page is the amount of water sold to NNWD's customers.

Lines 15-21 of the Water Statistics page is other water used such as flushing and fire department usage that is factored into NNWD water loss.

Lines 23-28 of the Water Statistics page is water loss due to line leaks, line breaks, tank overflows.

Lines 32-33 of the Water Statistics page is how the water loss percentage is calculated and the annual water loss percentage.

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 3**

**Responding Witness: Colin Cissell**

- Q-3. State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.
- A-3. NNWD does not have any questions at this time.

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 4**

**Responding Witness: Colin Cissell**

- Q-4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this Order.
- A-4. NNWD suggests that each pressure zone should be tracked instead of the system as a whole.

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 5**

**Responding Witness: Colin Cissell**

- Q-5. State any questions you have regarding how the information in the updated Commission Form described and attached as Appendix A to this Order is to be incorporated into annual reports.
- A-5. NNWD has no questions at this time.

**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 6**

**Responding Witness: Colin Cissell**

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

A-6. NNWD does not have any concerns at this time.



**North Nelson Water District**

**CASE NO. 2018-00394**

**Response to Commission's Request for Information**

**Question No. 7**

**Responding Witness: Colin Cissell**

- Q-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
- A-7. NNWD does not believe it is an unreasonable request.

## CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that North Nelson Water District's electronic filing of this Response is a 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 16, 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 business days.

  
\_\_\_\_\_  
Colin Cissell

# Appendix A

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>	
2	Water Produced	
3	Water Purchased	24,858,000
4	<b>TOTAL PRODUCED AND PURCHASED</b>	
5		
6	<b>WATER SALES</b>	
7	Residential	22,161,100
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Other Sales	
13	<b>TOTAL WATER SALES</b>	
14		
15	<b>OTHER WATER USED</b>	
16	Utility and/or Water Treatment Plant	
17	Wastewater Plant	
18	System Flushing	881,500
19	Fire Department	27,000
20	Other	
21	<b>TOTAL OTHER WATER USED</b>	
22		
23	<b>WATER LOSS</b>	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	1,788,400
27	Other	
28	<b>TOTAL LINE LOSS</b>	
29		
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4	
31		
32	<b>WATER LOSS PERCENTAGE</b>	
33	Unaccounted-For Water (Line 28 divided by Line 4)	

## Loss - Gain July-18

READ		4,686
EST.		8
TOTAL		4,694

	<u>Purchased</u>	<u>Sold</u>	<u>Loss</u>	<u>Gain</u>	<u>Flushing</u>	<u>Dates</u>
Whitesides Rd.	5,071,000	4,105,000	966,000		200,000	6/13-7/13
Louisville Rd.	2,793,000	2,718,000	75,000		20,000	6/11-7/11
Ben Irvin	4,945,000	4,874,200	70,800		25,000	6/18-7/17
Browningtown	6,637,000	5,409,300	1,227,700		225,000	5/25-6/26
Weller Loop	8,608,000	8,153,700	454,300		50,000	6/4-7/3
	28,054,000	25,260,200	2,793,800	0	520,000	

Flushing	520,000
Fire Dept.	12,000

2,261,800
<b>8.06% Loss</b>