

P.O. Box 55 351 Almo Rd  
Almo, KY 42020  
Phone (270) 753-9101  
Fax (270) 759-0199  
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DEXTER-ALMO HEIGHTS WATER DISTRICT

RECEIVED

March 4, 2016

Kentucky Public Service Commission  
Executive Director's Office  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, KY 40602-0615

MAR 8 2016

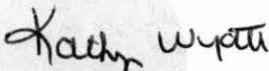
Public Service  
Commission

Case No. 2016-00114

Dear Sir:

Enclosed is an application and (7) copies for a deviation from Commission Regulation 807 KAR 5:066, Section 4(4) which provides that each utility shall provide water storage to ensure minimum of one day's supply of its daily average.

Sincerely,



Kathy Wyatt

Office Manager

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RECEIVED

KENTUCKY PUBLIC SERVICE COMMISSION

MAR 08 2016

Water Storage Requirement Deviation Request Application

PUBLIC SERVICE  
COMMISSION

**807 KAR 5:066, Section 4(4): Storage.** *The minimum storage capacity for systems shall be equal to the average daily consumption.*

This form is intended to assist water utilities seeking a deviation from the requirements of 807 KAR 5:066, Section 4(4) and for permission to either maintain less water storage capacity than the average daily consumption or to obtain additional time to attain minimum storage capacity equal to the average daily consumption.

To request a deviation from the requirements of 807 KAR 5:066, Section 4(4), please complete the following application in full.

Utility: DEXTER - ALMO HEIGHTS WATER DISTRICT

Address: 351 ALMO RD

City: ALMO State: KY Zip Code: 42020

Telephone Number: (270) 753-9101 Number of Customers: 800

County or Counties served: CALLOWAY MARSHALL

Are you requesting a deviation:

To maintain less water storage capacity than the average daily consumption?

For additional time to attain minimum storage capacity equal to the average daily consumption?

I. Contact Information

Please provide information for the person to whom correspondence or communications concerning this application should be directed:

Name: JASPER WYATT Title: SYSTEM OPERATOR

Address: 351 ALMO RD

City: ALMO State: KY Zip Code: 42020

Telephone Number: (270) 753-9101

II. Filing Requirements

Please submit an original and seven (7) copies of the completed application to:

Kentucky Public Service Commission

Executive Director's Office

211 Sower Boulevard

Frankfort, Kentucky 40602

Telephone: (502) 564-3940

All correspondence and responses to supplemental information requests should be sent to the above address as well.

Copies of this form may be obtained by visiting the Kentucky Public Service Commission website at <http://psc.ky.gov> and clicking on the Forms bullet in the Quick Reference, or by contacting George Wakim, Branch Manager, Water & Sewer Branch, at (502) 564-3940.

III. Questionnaire:

Please answer all questions completely, attach additional sheets as necessary.

1. Provide the average daily water consumption. This should include all water sold, utility water usage, and unaccounted-for-water. following information:

Average Daily Consumption: 125,000 gallons

2. Please provide the following information:

Total number of water storage tanks in the system: 0

<u>Type of Storage Tank</u>	<u>Capacity</u>
<u>None</u>	

3. Please provide a list of all large customers purchasing more than five (5) percent of the utility's average daily consumption. Also indicate which, if any, of these customers can sustain an interruption during emergencies.

<u>Customer</u>	<u>Daily Usage</u>	<u>Storage Facility</u>	<u>Capacity</u>	<u>Interruption</u>
None		( ) Yes ( ) No		( ) Yes ( ) No
		( ) Yes ( ) No		( ) Yes ( ) No
		( ) Yes ( ) No		( ) Yes ( ) No
		( ) Yes ( ) No		( ) Yes ( ) No
		( ) Yes ( ) No		( ) Yes ( ) No
		( ) Yes ( ) No		( ) Yes ( ) No

4. Please provide a list of all critical healthcare facilities served by the system.

<u>Facility</u>	<u>Daily Usage</u>	<u>Storage Facility</u>	<u>Capacity</u>
None		( ) Yes ( ) No	
		( ) Yes ( ) No	
		( ) Yes ( ) No	
		( ) Yes ( ) No	
		( ) Yes ( ) No	
		( ) Yes ( ) No	

5. Please provide the following information:

Does the utility:

Produce water? ( ) Yes (  ) No      Purchase water? (  ) Yes ( ) No

If the utility purchases water, please provide the following information:

<u>Supplier</u>	<u>Average Amount Purchased</u>
City of Murray	125,000 gallons Daily

6. If a supplier has storage capacity or reserves storage capacity for the benefit of your utility, please provide the following information:

<u>Supplier</u>	<u>Capacity</u>	<u>Proximity to Master Meter</u>
Hwy 641 Tank) <u>City of Murray</u>	<u>500,000</u>	<u>Within 1000 LF</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

7. Will your supplier issue your utility a letter of this additional storage capacity specifying whether they can sustain any of your system's interruptions to ensure you adequate continuity of service?  Yes ( ) No

If yes, provide a copy of the agreement or letter. *Letter Attached*

8. Please provide a technical summary of operational deficiencies of the system that are known from experience or that are indicated by hydraulic analysis. This should include a list of outages that occurred in past years, their location, the cause and duration of any outages, customer complaints, areas of low pressure, and the availability of standby equipment, repair equipment, and contractors. *Letter Attached*

9. Please provide information on the growth potential for the system. This should include the number of new customers added per year and the possibility of extensive development (i.e. new subdivisions, businesses, etc.)

*Letter Attached*

10. Please describe any planning, to date, to bring the system into compliance with Commission regulations. This should include efforts to secure financing for the construction of additional storage facilities, as well as the estimated compliance date. If no planning has taken place, please explain why.

*Letter Attached*

IV. Signature:

I have read and completed this application, and to the best of my knowledge, all the information contained herein is true and correct.

Signed: Joseph W. Hight

Title: System Operator

Date: 3/3/2016

Melinda A. Ernst  
July 1, 2005



Question #7 ATTACHMENT

**CITY OF MURRAY PUBLIC WORKS AND UTILITIES**

*Gas / Water / Wastewater / Street / Sanitation*

200 Andrus Drive  
Murray, Kentucky 42071

Phone 270-762-0336  
Fax 270-762-0379

February 10, 2016

Dexter/Almo Water District  
351 Almo Road  
Almo, KY 42020

**RE: Potable Water Availability**

The City of Murray Water System is providing this information concerning the availability of potable water supply to the Dexter/Almo Water District 641 North..

The City of Murray Water System has an elevated storage capacity of 2.925 million gallons of potable water and 1.0 million gallons of treated potable water before high service pumping. Our water treatment plant is designed to treat up to 7.0 million gallons per day. We currently average between 3.0 and 4.5 MGD.

The City of Murray Water System agrees to provide potable water to the Dexter/Almo Water District in sufficient quantity and pressure as it does to all of our water customers, both inside and outside the City limits, and is subject to the rules and regulations governing water supply, distribution and usage under the authority of the **Kentucky Division of Water**.

This agreement is for a period of three (3) years from January 1, 2016 through December 31, 2018, at which time the terms of this agreement may be reviewed and extended, if agreed to by both parties.

If you should need any further information in regards to this service agreement, please contact **Murray Public Works & Utilities Department** at 270.762.0336. Thank you for your continued support of the Murray Water System.

Sincerely,



Thomas J. Kutcher  
**Director of Public Works & Utilities**  
**City of Murray, KY**

March 3<sup>rd</sup>, 2016

Response to Question #8 on Storage Tank Deviation Application

For the past 3 years the Dexter-Almo Heights Water District has had 13 instances where water service was turned off until repairs could be made.

Year 2013

Outage 1: This outage occurred on February 12, 2013 on Charlie Miller Rd Almo, KY 42020. Contractor hit 6" main while doing line extension. The water was shut off for approx. 4 hours while repairs were being made and affected about 48 customers.

Outage 2: This outage occurred on April 10, 2013 on Charlie Miller Rd Almo, KY 42020. West Kentucky Telephone had contractors working in the area installing fiber optic lines and hit 4" water main. Water was shut off for approx. 2 hours while repairs were being made and affected 1 customer.

Outage 3: This outage occurred on May 1<sup>st</sup>, 2013 on Abilene Ln in Dexter, KY 42036. West Kentucky Rural Telephone had contractors in the area burying fiber optic telephone lines and the contractor dug up 10 feet of 2" water main on Abilene Ln. The water was shut down for approx. 2 hours so repairs could be made and affected about 40 customers.

Outage 4: This outage occurred on May 16, 2013 on Boggess Dr. Almo, KY 42020. A bell joint in the 2" water main had busted and 5 ft of main was replaced. The water was shut for approx. 2 hours while repairs were being made and affected about 4 customers.

Outage 5: This outage occurred on August 16, 2013 on Mallory Circle Murray, KY 42071. This was a planned outage to replace a leaking fire hydrant. The water was shut off for approx. 4 hours while replacement was being done and affected about 5 customers.

Outage 6: This outage occurred on December 11, 2013 on Elm St. Dexter, KY 42036. This was a planned outage to work on leaking fire hydrant. A valve for the hydrant was installed to isolated leaking fire hydrant so work could be completed at a later date. Water was shut off for approx. 4 hours while this work was being done and affected about 50 customers.

Year 2014

Outage 7: This outage occurred on January 7, 2014 on Pleasant Hill Dr. Almo KY 42020. West Kentucky Rural Electric had tree trimming contractors in the area that ran over a valve box and busted 2" water main. Water was shut down for 2 hours while repairs were being made and affected 2 customers.

Outage 8: This outage occurred on January 16, 2014. This was a planned outage to finish work on a leaking fire hydrant on Elm St. Dexter, KY 42036. This outage was to replace the leaking fire hydrant and water was shut off for approx. 4 hours while work was being done and affected about 30 customers.

Outage 9: This outage occurred on September 5, 2014 on Radio Rd Almo KY 42020. Approx. 15 ft of AC water main had busted and upon digging up site septic lines were determined to be too close to water main so water was shut for 3 days while proper testing was done by water district per Division of Water and septic lines were put back according to local health department. This outage affected about 600 customers north of the area affected since there is no loop in the system currently.

Outage 10: This outage occurred on September 22, 2014 on Radio Rd Dexter KY 42020. A joint on 2" pvc water main had busted and the water was shut off for approx. 2 hours while a section of water meter was replaced and affected about 6 customers.

Outage 11: This outage occurred on October 22, 2014 on Radio Rd Almo KY 42020. A woman had driven off the road and hit a fire hydrant. The water was off for approx. 3 hours while a new fire hydrant was being installed and affecting 300 customers.

#### Year 2015

Outage 12: This outage occurred on May 20, 2015 on Hwy 641 North Murray KY 42071. AC water main joint had busted and water was shut off for approx. 2 hours while repairs were being made and about 30 customers were affected.

Outage 13: This outage occurred on May 20, 2015 on Radio Rd Almo KY 42020. This was a planned outage planned for work to be performed during the night to install 2 new valves and work on a fire hydrant along Radio Rd to help isolate water main breaks better in the future and eliminate the amount of customers without service during a line break while repairs are being made. The water was shut for about 7 hours during the night while this work was being performed and affected about 600 customers. Water was restored by 6:00 am the next morning.

The above mentioned are the outages the district has experienced in the last 3 years and to date the district has no known low pressure problems or complaints from customers about having low pressure. The district has all parts available in inventory at the office to immediately repair and outages. The district uses a local contractor for any excavation that would have been done and is available at any time to assist the water district to make repairs. If district does not have parts on hand at office at time of outage the district will use its Supplier out of Paducah KY to obtain needed parts in a timely manner. The district also has available to them the City of Murray that can assist in making repairs or lend parts to if necessary at any time.

351 Almo Rd  
Almo KY 42020  
(270) 753-9101  
[www.dexteralmowater.com](http://www.dexteralmowater.com)

March 3<sup>rd</sup>, 2016

Response to Question #9 & #10 on Storage Tank Deviation Application

9. The Dexter Almo Water District has added 28 new meters in the past 3 years. For 2013 the district made 12 new taps, 2014 the district made 6 new taps and in 2015 the district made 10 new taps. At the present time the district does plan on major development to district or has anyone been in contact with district about possible major development that would add on to the current system. There are unserved customers in northern Calloway County but at the present time the district does not have the funds to extend to any of these areas and unless state grant funds are awarded will not be able to extend to these areas any time in the near future.

10. At the present time no planning as gone into constructed any storage facilities within the district due to that fact that the City of Murray has always been able to provide the maximum amount purchased by the district with no fore seeable problems. The district had a storage tank in the 1960s but was put out of service in the 1970s when a purchasing source was constructed with the City of Murray and provided suitable amount of storage to meet the needs of the district. The district now has two purchasing sources from the City of Murray and is within a mile from the system looped in which will drastically narrow down the amount of customers that will be affected by a line break or outage.