

KENTUCKY PUBLIC SERVICE COMMISSION

Water Storage Requirement Deviation Request Application

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: Kentucky Zip Code: 42020

Telephone Number: (270) 753-9101 Number of Customers: 840

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 Manager

Address: 351 Almo Rd

City: Almo State: Kentucky 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.

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>
_____	_____	() 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>
_____	_____	() Yes () No	_____
_____	_____	() Yes () No	_____
_____	_____	() Yes () No	_____
_____	_____	() Yes () No	_____
_____	_____	() Yes () No	_____
_____	_____	() Yes () No	_____

5. Please provide the following information:

Does the utility:

Produce water? () Yes (X) No Purchase water? (X) 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>
City of Murray	500,000	1,000 FT

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. EXHIBIT A

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. EXHIBIT B

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.)

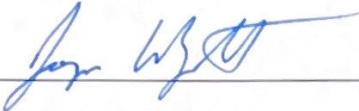
In the last 3 years that system has added approx. 20 new customers. The system is seeking grant funds to construct a project that will create an entire system loop and would have the potential to add approx. 12 new customers. The system is also seeking grant funds to try and expand into the Northwest portion of the Calloway County potentially added approx. 60 new customers if the entire project were fully funded and constructed.

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.

To date the system has had no planning for adding storage facilities due to the fact that there hasn't been much new customer growth or large demand added to the amount of water purchased from the City of Murray on a yearly average. The City of Murray has ensured the system that they have plenty of storage on hand not only to meet their needs but those of Dexter Almo Water as well in the foreseeable future.

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:  _____

Title: System Manager

Date: 1/17/2022

Melinda A. Ernst
July 1, 2005

351 Almo Rd
Almo KY 42020
(270) 753-9101 (Office)
dawdoffice@gmail.com (Email)
www.dexteralmowater.com (Website)

EXHIBIT A

Bob Rogers
Mayor



City of Murray



December 30, 2021

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

RE: Potable Water Availability

The City of Murray 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 2 million gallons of treated potable water before high service pumping. Our water treatment plant is designed to treat up to 7 million gallons per day. We currently average 3.6 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, 2022 through December 31, 2024, at which time the terms of this agreement may be reviewed and extended, if agreed by both parties.

If you should need any further information in regards to this service agreement, please contact Murray Public Works and Utilities Department at 270-762-0336. Thank you for your continued support of the Murray Water System.

Sincerely,

Bob Rogers, Mayor
City of Murray, KY

TELEPHONE (270) 762-0300

500 Main Street
Murray, Kentucky 42071
FAX (270) 762-0306
Website: www.murrayky.gov

TDD 7-1-1 or (800) 648-6056



351 Almo Rd
Almo KY 42020
(270) 753-9101 (Office)
dawdoffice@gmail.com (Email)
www.dexteralmowater.com (Website)

EXHIBIT B

January 17, 2022

Response to Question #8 on Storage Tank Deviation Application

For the past 3 years the Dexter Almo Heights Water District has had the following instances where water service was interrupted due to line breaks and repairs made:

Year 2019:

Outage 1: This outage occurred on March 14th, 2019 on Boggess Drive in Almo KY. A pine tree had grown around a 4" AC water main causing it to leak. The pine tree was removed and service was turned off for approx. 1 hour until repairs were made and the water service could be turned on. This outage affected approx. 75 customers.

Outage 2: This outage occurred on April 29th, 2019 on Boggess Drive in Almo KY. This outage occurred around the same location as the previous outage in March and was due to a water tap leaking nearby. It was determined that the water tap was close enough to the March repairs that it would be better to turn water service off to approx. 50 customers and redo the repairs from March and extend the section of line that was replaced in March to cover the section of old line that included the leaking water tap instead of having two small repair sections of line in the same vicinity. The water was turned off for only approx. 30 minutes and service was restored to customers.

Outage 3: This outage occurred on September 16th, 2019 on Charley Miller Rd in Almo KY. This outage occurred on 6" PVC water main and a bell joint had slipped apart. Service was turned off to approx. 60 customers and was off for approx. 2 hours until repairs were made and service could be turned back on.

Year 2020:

Outage 1: This outage occurred on April 3rd, 2020 on Lane Street in Dexter KY. This outage occurred because the AC water main had busted. Water service was turned off to approx. 20 customers and was off for approx. 3 hours until repairs could be made and the water service be restored.

Outage 2: This outage occurred on June 8th, 2020 on Radio Rd in Almo KY. This outage occurred because another tree and grown in and around the water main causing it to start leaking. The water service was turned off for approx. 4 hours while the tree was being removed and repairs could be made and service could be restored. This outage affected approx. 275 customers.

Outage 3: This outage occurred on June 19th, 2020 on Radio Rd in Dexter KY. This outage occurred because an old 45 coupling had slipped causing the water main to start leaking. Service was turned off for approx. 3 hours until repairs could be made and service turned back on. This outage affected approx. 80 customers.

Outage 4: This outage occurred on August 25th, 2020 on Coles Campground Rd in Murray KY. This outage occurred because a 6" PVC line had busted on the side for a couple of feet. The water was turned off for approx. 3 hours until repairs could be made and the water service turned back on. This outage affected approx. 15 customers.

Year 2021:

Outage 1: This outage occurred on February 28th, 2021 on Hwy 641 N in Murray KY. This outage occurred due to flooding from the massive amounts of rain in the area that day and the area and the water was turned off around 7PM that night. Due to the amount of flood waters water service had to be left off until the morning and the flood water receded. Repairs were made and service was turned back on by 10AM the next morning. This outage affected approx. 550 customers. Since this outage has occurred and with it being close to one of the purchasing points for the system an isolation valve has been discovered that was not known by present staff until valve exercising was performed later this year that will not limit the amount of customers affected by an outage in this area to approx. 25 customers instead of the majority of the district. The system also has plans to complete a loop in the distribution system that will assist in utilizing both purchasing points from the City of Murray and limit the amount of the system being interrupted when an outage occurs close to a purchasing point.

Outage 2: This outage was discovered on March 2, 2021 on Candlelite Dr in Almo KY. We believe this outage occurred around the same time as the previous one on Hwy 641 and was caused by the same flooding event but with it being a smaller line and the other main already busted from flooding that would feed into this area it was not discovered until the first repairs were made. With this outage service was turned off to approx. 16 customers for approx. 2 hours while the 4" main was replaced across a creek.

Outage 3: This outage occurred on July 13, 2021 on Charley Miller Rd in Almo KY. This outage occurred because a 90 coupling had busted on the 4" water main. The water was turned off for approx. 3 hours while the repairs were made and service could turned back on. This outage affected approx. 60 customers. Again with this outage if the system is able to get the grant funds to construct the loop for the entire system this outage would have only affect approx. 15 customers.

The above mentioned are the outages the system has experienced over the last 3 years. To date the system has no known pressure problems or complaints from customers experiencing low pressure. The system has an inventory with material and parts on hand to fix and repair main lines as needed and also has a good relationship with the City of Murray to borrow material and parts in the need of an emergency and the system does not have all parts available. The system has a local contractor that is available at any time to assist the system in locating and or making repairs to get water service restored to customers.