

2008-00026
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PUBLIC SERVICE
COMMISSION

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: Farmdale Water District

Address: 100 Highwood Drive

City: Frankfort State: KY Zip Code: 40601

Telephone Number: (502) 223-3562 Number of

Customers: 2572

County or Counties served: Franklin

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: Berl Robinson Title: Chairman

Address: 100 Highwood Drive

City: Frankfort State: KY Zip Code: 40601

Telephone Number: (502) 695-2323 or (502) 223-3562

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: 639,000 gallons

2. Please provide the following information:

Total number of water storage tanks in the system: _____

<u>Type of Storage Tank</u>	<u>Capacity</u>
Standpipe	223,000 gallons
Standpipe	155,000 gallons
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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>
Stewart Home	40,382		n/a	
School	gallons	() Yes (x) No		() Yes (x) 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>
Dialysis Clinic	4,500 gallons	(x) 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>
Frankfort Electric and Plant Board	639,000 gal/day
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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>
Frankfort Electric and Plant Board	unsure	unsure
_____	_____	_____
_____	_____	_____

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 (X) No

In the past, the Frankfort Plant Board did provide a letter (see attached 3/18/03 letter).

More recently, they would not provide a similar letter.

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

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.

See attached listing of interruptions going back to November 2001. There are no areas of low pressure. We have equipment and supplies available to repair or replace water lines and pumps.

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.)

For the past 20 years, we have averaged 36 new customers per year. Extensive development could occur if city sewers were available in our area. These sewers are currently in the planning phase.

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.

The Water District has employed HMB Professional Engineers, Inc. for a KIA grant for a new water tank and booster pump station.

We are discussing the requirement to apply for an RD loan/grant.

Please see attached letter dated 8/2/07 from our engineer – HMB Professional Engineers, Inc.

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.

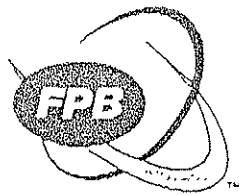
Signed: Burl Robinson

Title: Chairman

Date: 7-11-08

Melinda A. Ernst
July 1, 2005

Warner Caines
General Manager



* Electric * Water * Cable
* Cable Advertising * Community TV

Frankfort Plant Board

March 18, 2003

Mr. Berl Robinson, Sr.
Chairman and General Manager
Farmdale Water District
100 Highwood Drive
Frankfort, Kentucky 40601

Dear Mr. Robinson:

You have requested, on behalf of the Farmdale Water District, that the Frankfort Electric and Water Plant Board restate and extend assurances regarding the availability to the District of water from the Plant Board's storage facilities.

The Frankfort Electric and Water Plant Board hereby extends its assurance and restates that the Plant Board's stored water supply will be made available to the Farmdale Water District in the same manner and for the same purposes for which stored water is maintained for all other customers, and subject to the Plant Board's Rules and Regulations governing water usage and supply. The Plant Board hereby states that this commitment is for a period of five (5) years from the date of this letter.

It is the Board's understanding that this assurance, along with the District's present storage facilities, should allow the District to comply with Kentucky Public Service Commission requirements for water storage.

If you should need further assistance, or information as regards to your supply of water, please contact Mr. Warner J. Caines, General Manager.

Sincerely,

E. Bruce Dungan
Chairman

EBD/abb
Cc: Herbble Bannister
J. H. Sullivan
Robert Bowman
Contract File

Equal Opportunity/Affirmative Action Employer

317 West Second Street (P.O. Box 308) Frankfort, Kentucky 40601 Phone (502) 223-3401
Fax (502) 223-3887 www.fewpb2.com

SERVICE INTERRUPTIONS (LINE BREAKS)

REPORTED DATE	TIME	LOCATION	LINE SIZE	TYPE	CAUSE	REMEDY	HOURS DURATION	WATER LOSS
3-07	8 ⁰⁰ AM	1495 Green Wilson	3/4	AC	Hit by telephone pole	Repaired	6	5,000
7-6-07	8 ⁰⁰ AM	2544 Green Wilson	4	AC	Split	1-4X7.5" Clamp	3	150,000
7-07	6 ³⁰ AM	1475 Evergreen	3	PVC	Split	2-3X7.5" Clamps	4	150,000
11-11	4 ⁰⁰ AM	Coalbrook Tank			Over Flow			200,000
8-10	8 AM	2544 Green Wilson	4	AC	Split	1-4X7.5" Clamp		125,000
8-24	12 ⁴⁵ PM	1800 Coalbrook Lane	3	PVC	Hydrant Hit by car	Replaced	2	75,000
11-10-07	8 AM	Behind 2761 US 127	6	AC	Split	1-6X7.5" Clamp	4 1/2	250,000
11-10	12	Hydrant at 1274 Evergreen			Flushed		15 Min	2.7
11-10	11 ⁵⁴	Hydrant and off Erin Way			Flushed		20 Min	2.3

SERVICE INTERRUPTIONS (LINE BREAKS)

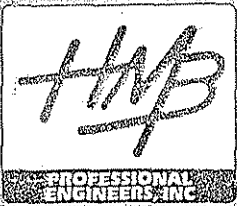
REPORTED DATE	TIME	LOCATION	LINE SIZE	TYPE	CAUSE	REMEDY	HOURS DURATION	WATER LOSS
1-16-04	3:30	550 Avenue Stok Corner of Highway & Highway CT	4 6x3	PVC	Shut point blew	1-4x12" clamp New T at road	5 hr. 3 hr.	125,000 250,000
1-05	8:00	332 Appleway	6"	PVC	6" Hydraulic blew	Put back on	4 hr.	150,000
1-2-05	9:30 AM	Traillight Trail	8	Iron	Crack	Replace 14' pipe 2-6x7.5' repair clamps and 3' of pipe	15 1/2 hrs 4 hrs	500,000 100,000
1-7-05	11:00 AM	213 Cherry Lane	6	PVC	Hit by water bar	2-3x7.5' clamps	1 hr.	25,000
1-8-06	3:30 PM	The Reserve - Evergreen	3"	PVC	Hit by electric cable	Flushed Hydrant	35 min	7,000
1-8-06	4:50 PM	End of line Evergreen			HTS Electric Cable Co.	2-3x7.5' clamps	1 hr.	25,000
1-16-06	3-5	The Reserve, Evergreen	3	PVC	HTS Electric Cable Co.	Flushed Hydrant	1 hr 15 min	15,000
1-24-06	8:00 AM	End of line Evergreen Behind 2761 US 127	6	Ac	Crack	1-6x7.5" clamp	4	175,000
1-24	11:11:00	End of Evergreen				Flushed Hydrant	40 min	2,000 2.9
3-6	8 AM	Behind 700 Jones		PVC	90° Cracked	Replaced with HTS 30°	1 1/2	10,000
3-6	10	End of Jones Lane				Flushed Hydrant	25 min	5,000 3.0
3-9	3:30 PM	End of Hillwood				Flushed Hydrant	10 min water not dry	3,000 3.2
3-22	7:00 AM	100 yds west of Johnson Rd 100 yds east of Johnson Rd	6	Ac	Cracked	Repair clamp	3 hrs	140,000 2.9
3-27	8 AM	Road Iced Bridge	4	PVC	Split	Repair clamp	2 hrs 20 min	300,000
4-27	9:30	184 Travis Circle Clyde Patrick's Farm Johnson Rd	4	PVC	Dozer fan over and cracked	Flushed Hydrant	28 min	5,600 2.9
4-27		B4 Teac Circle				Flushed Hydrant	24 min	4800 2.7
5-16	8:00	Johnson Hills	3"	PVC	3" PVC T split at elbow	Replaced	2 1/2	6,000 2.9

SERVICE INTERRUPTIONS (LINE BREAKS)

REPORTED DATE	TIME	LOCATION	LINE SIZE	TYPE	CAUSE	REMEDY	HOURS DURATION	WATER LOSS
12-02	8:00 PM	172011 Haroldsbury	6	AC	Split	1-6X7.5" Clamp	4	110,000
14-02	11:00 AM	2797 OS 127	6	AC	" "	" "	4	250,000
16-02	1:00 PM	Mick Green Field above pond old W.T. between Zelma Nash & LeMay Between Shell Station & Huntington Wds	4	AC	" "	1-4X7.5" clamp	2 1/2	250,000 3.1 Water not off 200,000 4
2-7-02	8 AM		3	PVC	It was on a rock & it split	1-3X7.5" Clamp	3	
2-12-02	4 PM		4	PVC	Cracked Hit by Sheds & Rodents	Repair Clamp	10	200,000
1-5-03	1 PM	200 Brookfield	3	PVC		2-3X7.5" clamp	2	50,000 3.3
1-3-03	2:01 AM	321 Farmers	6	PVC	6" T leaking 4X3 Reducer blew out	1-6X12.5" Clamp	3	250,000 2.7
7-7-03	8:30 AM	219 Highway 2	4X3	PVC	blew out	1-3X12.5" clamp	2 1/2	125,000 2.6
7-17-03	6:30 AM	979 Stony Creek	4X2	PVC	4X2 Reducer blew out	Removed tee & reducer capped 2" line	4 1/2	20,000 2.4
7-8-03	8:00 PM	309 W. 1st	3	PVC	Hit by a trailer	1-3X7.5" Clamp	2	10,000 2.2
1-12-03		Cookhook Tank			Drained tank For inspection			93,000 2.6
11-24-03		Stewart Home Tank Inverted behind Childs Hillard			Drained tank For inspection Hit front blow off	Repaired	2 1/2	50,000 2.5
2-1-03	12:00 PM	5111 Harford Beach Field	6 & 4	PVC	Glued Coupling	1-2X12" Clamp	3	20,000
1-3	10 AM		2	PVC			3	Water not off 20,000
12-8	10 AM	1003 Mills Lane	4	Iron	Split into 2	1-4X7.5" Clamp	3	Water off 2 hrs. 75,000 2.4
3-27-04	3:00 PM	Cleaverwater Corner of I & 4th Cardwell Lane	3	PVC	Hit by Hijacker	2-3X7.5" Clamps	2	50,000 2.9 Water off 1/2 hr
3-25-04	12:00 PM		6	PVC	Hit by Front Shutlon	4-6X7.5" Clamps	5 1/2	175,000 3.0 Water off 1 hr
3-29	2:00 AM	430 Dove Creek	3X2	PVC	3XR Reducer blew out	1-2X7.5" Clamp	2	50,000
2-2		Corner of Mill Lane & N. Main	3	PVC	Hit by front Hit by front Hit by front	Hit by front Hit by front Hit by front	4 3 men 12.5	75,000 125,000
10-27	10:00	448 N. Main Rd	6	AC	Hit by front Hit by front	1-6X7.5" Clamp	12.5	125,000

SERVICE INTERRUPTIONS (LINE BREAKS)

REPORTED DATE	TIME	LOCATION	SIZE	LINE TYPE	CAUSE	REMEDY	HOURS DURATION	WATER LOSS
1-10-01	7:30	166 N. Masonry	3	PVC	Split	Repair Clamp	3	400,000
1-19-01	8:30 AM	575 Aurora Ave End at 1st St	3	PVC	End at New Cap		5	10,000
1-19-01		246 River Valley			FIR			
2-3-02	4:00 PM	172 Old Hubsburg Rd	6	AC	Split	1-6x7.5 Clamp	3	Water not off 10,000
2-7-02	6:00 PM	165 Michael Blvd	3	PVC	Hit by Rebar	2-3x7.5 Clamp	3	25,000
5-9-02	6 PM	2561 US 127 1472 ACROSS FROM 1507	6	AC	Hit by Rebar	1-6x12.5 Clamp	3	175,000
3-19-02	6:30 AM	"	3	PVC	Bank Sid	2-3x7.5 Clamps	7	50,000
3-20-02	6 AM	"	3	PVC	"	2-3x12.5 Clamps	4	50,000
4-28-02	8:30 AM	472 "	3	PVC	"	1-3x7.5 Clamp	7	250,000
4-30-02	8:20 AM	"	3	PVC	Replaced 500'			500,000
5-10-02	9:00 AM	Underpass east bound I-64 Bridge over Johnson Rd In Pond on E. West	4	PVC	Split 3" pipe	2-4x7.5 Clamps 6' of 4" pipe	2	250,000
7-9-02	8:00 AM	at Carl Lakes	4	AC	?	2-4x12.5 Clamps	6	300,000
8-19-02	8:00 AM	Johnson Rd	4	PVC	Replaced 3000' 4"		7	750,000
7-29-02	9:00	1016 Silver Cr	6	PVC	Hit by Aris Electric	2-6x7.5 Clamps	3	150,000
7-31-02	11:00	1024 Silver Cr	6	PVC	"	"	4	200,000
7-5-02	2:00	McMillan Road	2	PVC	Hit by A/C Speaker	2-2x7.5 Clamps 2' of 2" pipe	4	50,000
8-10-02	9:00 AM	1510 Evergreen Rd in Pond	4	AC	?	1-4x12.5 Clamp	4	150,000
8-13-02	8:00 AM	240544" west of Pond 26 Old Haroldsbury Rd	4	PVC			5	250,000
2-14-02	8:00 AM	86 Old Haroldsbury Rd Pitts Petrolchem	6	AC		1-6" Clamp	10	250,000



3 HMB Circle
 U.S. 460
 Frankfort, KY 40601
 Office: (502) 695-9800
 Fax: (502) 695-9810

August 2, 2007

Mr. Michael Burford
 Director of Filings Division
 PSC
 P.O. Box 615
 Frankfort, KY 40602

Subject: Farmdale Water District
 Case No. 2003-00497

Dear Mr. Burford:

On behalf of the Farmdale Water District (FWD), we are responding to your letter dated 7/27/07 (sent to Mr. Thomas A. Marshall). First, Mr. Berl Robinson, Chairman of FWD, extends his apologies for not responding to your 3/18/07 request. We will work so that this will not happen in the future. To ensure this, would you add to your distribution list for this case:

Mr. Bob Blankenship, P.E.
 HMB Professional Engineers, Inc.
 3 HMB Circle
 Frankfort, KY 40601
 (502) 695-9800

With regard to the District's storage, the FWD has purchased water and relied on storage from the Frankfort Plant Board since it went into operation. The Plant Board continues to provide this service to date. There has been no discussion to discontinue this service in the future. We feel it is a safe assumption to continuing relying on the Frankfort Plant Board.

The Water District does understand the need for providing its own storage, independent of other entities. As a result, they have applied for a KIA grant. The project, as currently planned, would cost \$992,000. We are proposing a 300,000 gallon elevated water tank approximately 120 feet tall. That water project was recently ranked #2 in Franklin County and #44 (out of 200) in the Bluegrass ADD region. When the legislature meets, in January 2008, we hope to receive favorable consideration on our grant request.

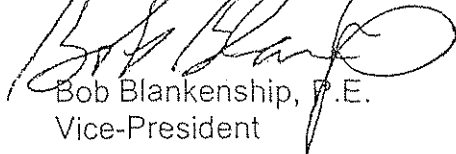
- Highway Engineering
- Structural Engineering
- Water & Wastewater
- Site Development
- Master Planning
- Environmental Planning
- Surveying
- Project Management
- Cost Estimation
- Construction Inspection
- Aviation Services
- Environmental Remediation
- Landscape Architecture



In addition to the KIA request, the District might also apply to USDA-Rural Development for a loan/grant and supplement that with some local funds. This RD application has not been submitted at this time; we are waiting on the KIA grant application.

Mr. Burford, hopefully, this will give you some current information. Do not hesitate to contact us if you have additional questions.

Sincerely,
HMB Professional Engineers, Inc.


Bob Blankenship, P.E.
Vice-President

cc: Berl Robinson (office)
Farmdale Water District
Tom Marshall, Attorney-At-Law
Chris Stewart, P.E., HMB
Ray Bascom, P.E., HMB