

PUBLIC SERVICE COMMISSION

**RECEIVED**

**MAR 19 2004**

**PUBLIC SERVICE  
COMMISSION**

APPLICATION

Case 2004-00095

This application has been prepared by the Commission to assist those utilities seeking approval to maintain less water storage than the average daily usage prescribed by 807 KAR 5:066, Section 5(4) or additional time to bring their water storage into compliance.

West Carroll Water District

\_\_\_\_\_  
Name of Utility

P O Box 45 225 6th Street

\_\_\_\_\_  
Address

Carrollton

Kentucky

41008

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip Code

Telephone Number

502

732-7055

\_\_\_\_\_  
Area Code

\_\_\_\_\_  
Number

## I. BASIC INFORMATION

Name, Title, Address and telephone number of the person to whom correspondence or communications concerning this application should be directed:

Name: Bill Osborne  
Address: P. O. Box 45  
Carrollton, Ky 41008  
Telephone Number: 502 / 732-7055

## II. FILING REQUIREMENTS

An original and seven copies of the completed application should be sent to:

Kentucky Public Service Commission  
Executive Director's Office  
730 Schenkel Lane  
P. O. Box 615  
Frankfort, Kentucky 40602

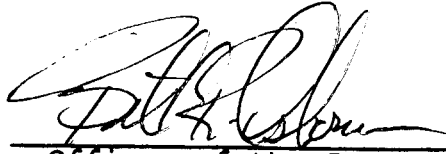
Telephone 502/564-3940

All correspondence and responses to supplemental information requests should also be sent to this address.

Copies of this form may be obtained from the Commission's Office of Executive Director; or by calling 502/564-7167.

I have read and completed this Application and to the best of my knowledge all the information contained in this Application is true and correct.

Signed



\_\_\_\_\_  
Officer of the Company

Title

\_\_\_\_\_  
General Manager

Date

\_\_\_\_\_  
3-9-04

Please answer all questions completely. Attach additional sheets, if necessary.

1. Provide the current average daily usage on the system. This should include all water sold, utility water usage and unaccounted-for-water.

The average day usage for 2003 was 173,204 GPD.

2. Provide the number, type, and capacity of any water storage tanks on the system.

WCWD has the following water storage tanks in the system:

Kings Ridge Standpipe = 47,000 gallons  
Mound Hill Standpipe = 111,000 gallons

3. Provide a list of all large volume customers served by the system and the usage of each. Also state whether these customers have storage facilities and their capacity. Do not list customers who are purchasing less than 5 percent of the average daily usage. Also state which, if any, of these customers can be interrupted during emergencies.

There are no customers who use at least 5% of the average daily usage or 8660 gallons per day.

4. Provide a list of critical health care facilities served by the system. Also state whether these customers have storage facilities and the capacity.

There are no critical health care facilities served by the West Carroll system.

5. State whether the system produces or purchases its water. If part or all of the system's water is purchased provide the supplier's name and gallonage purchased.

WCWD purchases all of its water. The following is a list of suppliers and gallons of water purchased in 2003.

City of Milton	960,883 gallons
Carrollton Utilities	38,072,825 gallons
Trimble Co. Water Dist	16,518,905 gallons
Henry Co Water Dist	7,666,666 gallons
2003 total	<u>63,219,279 gallons</u>

6. If a supplier of the system has storage capacity or reserves storage capacity for benefit of the system, state the capacity, the proximity to the master meter, and provide a copy of the purchase agreement. The purchase agreement should specifically mention the terms of interruptability.

WCWD has not officially "reserved" capacity with any of its suppliers however all of the suppliers, with the exception of Henry Co. Water District, have excess storage capacity. The following table outlines the average daily usage and storage capacity of each system serving West Carroll.

<u>Supplier</u>	<u>Average Daily Usage</u>	<u>Total Storage</u>	<u>Excess Storage</u>
Trimble Co. WD	349,000	463,000	114,000
Henry Co. WD	n/a	n/a	n/a
City of Milton	300,000	550,000	250,000
Carrollton Utilities	581,136	1,098,000	516,864

The current average day storage deficit of 16,204 GPD experienced by WCWD is more than compensated by the excess storage available from each supplier. over \_\_\_\_\_

Additionally all areas with the exception of the WCWD area served by the City of Milton can be served in emergencies by other systems albeit with lower pressures.

7. 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. The cause and duration of any outages, customer complaints, areas of low pressure, and the availability of standby equipment, repair equipment, and contractors.

WCWD is operated in accordance with all applicable regulations. Besides the storage deficiency, WCWD operates the Gilgal pump station on a 24/7 basis with the approval of the Division of Water. This deficiency will be corrected with the system improvement project. In the interim Carrollton Utilities has two back-up pumps available for emergencies. In 2003 WCWD experienced 13 outages due to 3rd party damage, line exposure from storms and earth movement. WCWD received only 2 complaints due to low pressure and each was related to other problems that were fixed. Carrollton Utilities maintains back-up equipment for the West Carroll system.

8. 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 (e.g., new subdivisions, businesses, etc.).

Attached is a table that shows the new meters added each year per water supplier. WCWD will start its improvement project this year to correct the storage deficiency and in anticipation of new development. While no new developments have begun there are several farms for sale with talk about developing them with new homes.



9. 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, explain why not.

The West Carroll Water District will begin its system improvements project in 2004. The project will consist of 60,000 gallons of additional storage, upgrades to the booster pumping stations and approximately 117,000 lineal feet of new and parallel waterlines. WCWD has applied for and obtained the following funding for the project:

\$675,000 - KIA 20/20 funds  
\$675,000 - Rural Development ( $\frac{1}{2}$  loan &  $\frac{1}{2}$  grant)  

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\$1.3 Million Total

The new project will erase the storage deficit of 16,204 GPD and provide for potential growth with improved pressures and redundancy.

# **ATTACHMENTS**

# ATTACHMENT FOR QUESTION #3

ACCT #	NAME	ADDRESS	USAGE (100'S GALLONS)	
021-02285-01	GLAUBER, INC.	HWY 389	683	5% OF AVERAGE
021-03300-01	PATE, TOMMY	451 VANCE ROAD	676	DAY = <del>2200</del> GPD X 30
005-00778-07	WILLHOITE, HERMAN	2825 KINGS RIDGE ROAD	323	DAYS = <del>68700</del> (688
021-03535-01	BARRY, DOUG	1838 TURKEY RUN ROAD	316	100 GALL. UNITS)
005-00295-01	WELCH, ERNEST & DONNA	HWY 42 WEST	292	
005-00247-06	GARVEY, DAVID	57 CARLISLE STREET	285	
005-00298-01	WELCH, ERNEST & DONNA	DONNA DRIVE	268	
005-00350-02	MASON & MEFFORD	193 HWY 42 WEST	258	
021-02375-01	BEACH, LARRY	1810 HWY 389	210	
021-00968-01	SMITH, LEANN	36 CONNECTOR ROAD	184	
024-01250-01	PARTIN, VIRGINIA	686 WINDY RIDGE	170	
021-02389-01	STOUT, MARY	316A LOCK #1 ROAD	159	
024-00950-01	NATION, SANDRA	BELLS RIDGE	151	
024-02090-02	LEWIS, ELENA	111 TN WALKING LANE	146	
024-02340-01	COUCH, KENNY	1813 E. PRONG LOCUST	146	
023-00806-01	SAND PROPERTIES LLC	WOODROW WILSON RD	143	
023-00190-01	MARTIN, JOE	1842 MOUND HILL ROAD	141	

$8660 \times 30$   
 $= 259800 (2598$   
 units)

WEST CARROLL WATER

TOTAL SYSTEM PURCHASE WATER vs BILLED WATER

12 MONTHS ENDING

MONTH	MASTER METER	ACCOUNTED FOR LOSS	BILLED GALLONS	TOTAL ACCTD FOR GALLONS	LOSS/(GAIN)	% excl.		LOSS/(GAIN)	% incl. Acct loss	% excl. Acct loss
						% incl. Acct loss	% excl. Acct loss			
January	5492244	92100	3374100	3466200	2026044	37%	39%	20925402	29%	34%
February	6032900	345000	4723000	5068000	964900	16%	22%	21127124	28%	34%
March	5272700	420400	3530400	3950800	1321900	25%	33%	20721800	28%	34%
2 April	4907840	22000	4134700	4156700	751140	15%	16%	20281140	27%	33%
0 May	5802802	10000	4280400	4290400	1512402	26%	26%	20262015	28%	33%
0 June	6072910	40800	4033000	4073800	1999110	33%	34%	19289646	27%	32%
0 July	5383106	69000	4634900	4703900	679206	13%	14%	17507366	25%	29%
0 August	5420590	54400	3616500	3670900	1749690	32%	33%	18434748	27%	30%
September	5354188	58050	3930000	3988050	1366138	26%	27%	17722286	26%	29%
October	4849064	36000	4148100	4184100	664964	14%	14%	16567441	25%	27%
November	5012452	127200	3657600	3784800	1227652	24%	27%	16012402	25%	27%
December	5997708	995133	3570700	4565833	1431875	24%	40%	15695021	24%	27%
TOTAL	<b>65598504</b> <i>(79,231)</i>	<b>1915950</b>	<b>47633400</b>	<b>49549350</b>	<b>16049154</b>					
January	5820314	1042433	4415900	5458333	361981	6%	24%	14030958	21%	26%
February	4797626	586133	3972300	4558433	239193	5%	17%	13305251	21%	26%
March	4842932	151500	3489400	3640900	1202032	25%	28%	13185383	21%	25%
2 April	4796452	162100	3781400	3943500	852952	18%	21%	13287195	21%	26%
0 May	5004736	79000	4083500	4162500	842236	17%	18%	12617029	20%	25%
0 June	4985880	65000	4221800	4286800	699080	14%	15%	11316999	18%	24%
1 July	5740000	11000	4758100	4769100	970900	17%	17%	11608693	19%	24%
August	5762087	156400	3904800	4061200	1700887	30%	32%	11559890	18%	24%
September	5537338	135600	4127900	4263500	1273838	23%	25%	11467590	18%	24%
October	5976575	50000	4059800	4109800	1866775	31%	32%	12669401	20%	25%
November	5614645	634000	3265600	3899600	1715045	31%	42%	13156794	20%	27%
December	5180581	339600	3262100	3601700	1578881	30%	37%	13303800	21%	26% EST ALL METERS
TOTAL	<b>64059166</b> <i>(75,435)</i>	<b>3412766</b>	<b>47342600</b>	<b>50755366</b>	<b>13303800</b>					
January	5509670	195000	4593100	4788100	721570	13%	17%	13663389	21%	25%
February	4519570	434000	3620800	4054800	464770	10%	20%	13888966	22%	26%
March	4567232	110000	3406900	3516900	1050332	23%	25%	13737266	22%	25%
April	4222700	0	3873900	3873900	348800	8%	8%	13233114	21%	25%
May	4617500	0	3945600	3945600	671900	15%	15%	13062778	21%	24%
June	4618150	43000	4266400	4309400	308750	7%	8%	12672448	20%	24%
2 July	5517178	18000	4942500	4960500	556678	10%	10%	12258226	20%	23%
0 August	6214652	16000	4724900	4740900	1473752	24%	24%	12031091	19%	23%
0 September	5527740	16600	4845400	4862000	665740	12%	12%	11422993	18%	21%
2 October	5025462	160310	3995700	4156010	869452	17%	20%	10425670	17%	20%
November	4789078	65100	3570800	3635900	1153178	24%	25%	9863803	16%	19%
December	5202664	5000	4183300	4188300	1014364	19%	20%	9299286	15%	17%
TOTAL	<b>60331596</b> <i>(53,374)</i>	<b>1063010</b>	<b>49969300</b>	<b>51032310</b>	<b>9299286</b>					
January	5573494 ✓	668000	3842600	4510600	1062894	19%	31%	9640610	16%	19% EST
February	5072723 ✓	100000	3800500	3900500	1172223	23%	25%	10348063	17%	19% EST
March	5692807 ✓	77000	4362800	4439800	1253007	22%	23%	10550738	17%	19%
April	5330564 ✓	540000	3955700	4495700	834864	16%	26%	11036802	17%	20%
May	5010558 ✓	228100	4108700	4336800	673758	13%	18%	11038660	17%	20%
June	4915986 ✓	29000	4291400	4320400	595586	12%	13%	11325496	18%	21%
2 July	5568790 ✓	73500	4475300	4548800	1019990	18%	20%	11788808	18%	22%
0 August	5499072 ✓	95000	4581700	4676700	822372	15%	17%	11137428	18%	21%
0 September	5232553 ✓	264500	4252300	4516800	715753	14%	19%	11187441	18%	21%
3 October	4834035 ✓	18400	4202900	4221300	612735	13%	13%	10930724	17%	21%
November	4558769 ✓	4800	3843700	3848500	710269	16%	16%	10487815	17%	20%
December	5929928 ✓	610000	4298600	4908600	1021328	17%	28%	10494779	17%	21%
TOTAL	<b>(63219279)</b> <i>(73,204)</i>	<b>2708300</b>	<b>50016200</b>	<b>52724500</b>	<b>10494779</b>					
January	5385707	192400	4103600	4296000	1089707	20%	24%	10521592	17%	20% EST
February										
March										
April										
May										
June										
2 July										
0 August										
0 September										
4 October										
November										
December										
TOTAL	<b>5385707</b>	<b>192400</b>	<b>4103600</b>	<b>4296000</b>	<b>1089707</b>					







HENRY PURCHASED WATER vs BILLED WATER

MONTH	MASTER METER	ACCOUNTED FOR LOSS	BILLED GALLONS	TOTAL ACCTD FOR GALLONS	LOSS/(GAIN)	%	-----12 MONTHS ENDING-----	
							LOSS/(GAIN)	%
January	997974	18000	407400	425400	572574	57%	4429200	40%
February	1112800	300000	683600	983600	129200	12%	4254178	37%
March	935248	12000	472500	484500	450748	48%	4227748	37%
2 April	864582	20000	539900	559900	304682	35%	4095330	31%
0 May	950270	0	548900	548900	401370	42%	4199464	32%
0 June	921226	10800	579500	590300	330926	36%	4106794	31%
0 July	817016	7000	580800	587800	229216	28%	3958914	30%
0 August	759774	20000	449800	469800	289974	38%	3956016	31%
September	715420	8050	545900	553950	161470	23%	3918886	31%
October	724764	9000	543100	552100	172664	24%	3832031	32%
November	716284	3000	464900	467900	248384	35%	3772334	31%
December	918446	54000	439100	493100	425346	46%	3716554	31%
January	973686	180000	553600	733600	240086	25%	3384066	33%
February	725958	4200	473400	477600	248358	34%	3503224	35%
March	812526	0	434000	434000	378526	47%	3431002	35%
2 April	650458	0	510100	510100	140358	22%	3266678	28%
0 May	566058	28000	467400	495400	70658	12%	2935966	26%
0 June	579136	0	545000	545000	34136	6%	2639176	24%
0 July	733548	11000	618300	629300	104248	14%	2514208	24%
1 August	635829	7000	495800	502800	133029	21%	2357263	23%
September	606556	120600	495800	616400	-9844	-2%	2185949	22%
October	623727	30000	481700	511700	112027	18%	2125312	21%
November	529417	0	419600	419600	109817	21%	1986745	20%
December	584471	0	413500	413500	170971	29%	1732370	18%
January	669642	0	695900	695900	-26258	-4%	1466026	19%
February	491874	0	444100	444100	47774	10%	1265442	17%
March	644384	0	446700	446700	197684	31%	1084600	15%
2 April	550100	0	469800	469800	80300	15%	1024542	12%
0 May	619060	0	511100	511100	107960	17%	1061844	13%
0 June	583620	0	573100	573100	10520	2%	1038228	12%
2 July	757148	8000	687800	695800	61348	8%	995328	12%
2 August	712152	1000	584700	585700	126452	18%	988751	11%
September	644400	0	604200	604200	40200	6%	1038795	12%
October	586084	11840	501300	513140	72944	12%	999712	12%
November	636344	35000	532300	567300	69044	11%	958939	11%
December	625156	0	563800	563800	61356	10%	849324	10%
January	739616	0	644200	644200	95416	13%	970998	13%
February	636200	0	541700	541700	94500	15%	1017724	13%
March	713926	15000	644400	659400	54526	8%	874566	11%
2 April	582948	0	515400	515400	67548	12%	861814	11%
0 May	576046	6500	544900	551400	24646	4%	778500	10%
0 June	685222	5000	598100	603100	82122	12%	850102	11%
3 July	755090	10000	650700	660700	94390	13%	883144	11%
August	626683	0	626300	626300	383	0%	757075	10%
September	586485	0	467900	467900	118585	20%	835460	11%
October	567948	7400	491500	498900	69048	12%	831564	11%
November	525852	4800	452200	457000	68852	13%	831372	11%
December	670650	90000	496500	586500	84150	13%	854166	11%
January	576010	0	495000	495000	81010	14%	839760	11%

7,666,744  
 Avg. May = 2,100,000



ATTACHMENT FOR QUESTION 6

**CITY OF MILTON**

10179 HWY 421N  
MILTON, KENTUCKY 40045  
(502) 268-5224

*Mayor Donald Oakley  
City Clerk/Treasurer Shannon Hoskins  
Water Billing Clerk Lori Baird  
Water & Sewer Field Supervisor Danny Purvis*

*Commissioners: Denny Jackson  
Gerald Owen  
Lori Jameson  
Steve Brierly*

March 4, 2004

Carrollton Utilities  
ATTN: Terry Roach  
Milton, KY 40045

Dear Mr. Roach,

Our water storage capacity is 550,000 gallons and our average gallons pumped per day is approximately 300,000.

If you need anything else, please let me know.

Sincerely,

*Dan Purvis*

Dan Purvis  
Field Coordinator  
City of Milton  
Water & Sewer Dept.



**Carrollton Utilities**

P.O. Box 269  
CARROLLTON, KENTUCKY 41008

PHONE: 502-732-7055  
FAX: 502-732-7058

March 9, 2004

George W. Wakim, PE  
Manager, Water and Sewer Branch  
Public Service Commission  
211 Sower Boulevard, P. O. Box 615  
Frankfort, KY 40602-0615

Subject: Carrollton Utilities Water Storage

Dear Mr. Wakim:

Carrollton Utilities has a water storage capacity of 1,098,000 gallons and our average daily usage for 2003 was approximately 581,136 gallons resulting in an excess storage of 516,864 gallons. Since Carrollton Utilities provides approximately 2/3 of West Carroll Water District's water we can provide emergency supply to meet their storage deficit.

Should you have any questions or comments regarding this letter, please don't hesitate to call.

Sincerely,

CARROLLTON UTILITIES

By

Terry A. Roach, P.E.  
Utility Engineer

ATTACHMENT FOR QUESTION #3

WEST CARROLL NEW SERVICES PER SUPPLIER:

	1998	1999	2000	2001	2002	2003
CARROLLTON	6	17	23	23	15	8
TRIMBLE	0	5	4	5	8	5
HENRY	0	6	5	2	6	1
MILTON	1	0	0	1	1	2
TOTAL PER YEAR	7	28	32	31	30	16

Handwritten mark or signature.