

# Kentucky Wastewater Management Plan

*Kentucky Infrastructure Authority*



BARDSTOWN WWTP



*April, 2014*

Kentucky  
Infrastructure  
Authority  
Office of the Governor



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## Water Management Plan Data Sources

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The information contained in this report was acquired from several sources: U.S. Census Bureau's 2010 Census Data, the Division of Water's Safe Drinking Water Information System (SDWIS), the Environmental Protection Agency's Integrated Compliance Information System (ICIS), and the Kentucky Infrastructure Authority's Water Resource Information System (WRIS) Project Profile and System Data. Most importantly, all of the system data and project information originated with the public water and wastewater systems within this report. The information is either self reported by the public water and wastewater systems to the Area Development District Water Management Planners in a semiannual system visit, or a spatial analysis of reported information by the Kentucky Infrastructure Authority's WRIS Team.

As with any report that aggregates, interpolates, and/or extrapolates information, inconsistencies in the data will arise. However, every effort has been made to minimize the amount of inconsistent data. Please find below the explanations for several of the data sources cited in this report.

**Serviceability Index** – The Serviceable Population and Percent Serviceable information found in State and County Summary pages is derived from a spatial analysis of mapped service lines of public water and wastewater systems and the census blocks from the U.S. Census Bureau. The census blocks are buffered by 250 feet in order to capture a service line that may be able to serve a portion of the census block.

A census block smaller than 10 acres is considered to be fully served if a service line falls within the census block or its buffer zone of 250 feet. If a census block is considered to be fully serviced, then 100% of the census block's population and household count is allocated to the public water or wastewater system that owns the service lines within the given census block.

For a census block larger than 10 acres, an analysis is conducted comparing the ratio of service lines to road centerlines within a given census block. Once the ratio of distribution service line to road centerline is calculated, the ratio is used to allocate a portion of the census block's population and household count to the public water or wastewater system that owns the service lines within the given census block. If the ratio exceeds 75% of service line to road centerline, the census block is considered to be fully serviced. For any ratio smaller than 75%, the ratio is used to allocate only a portion of the census block's population and household count to the public water or wastewater system that owns the service lines located within the census block.

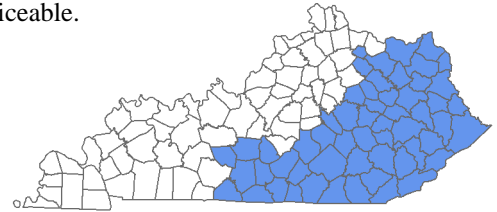
**Project Summary** –A summary of a public water and wastewater system's projects is provided at the bottom of their System Summary page. Only projects that have been approved by the Area Water Management Council and are in need of funding have been annotated in the summary. For more information on a project, please visit [www.wris.ky.gov](http://www.wris.ky.gov).

**Estimated Percentage Water Loss** – The estimated percentage water loss for each system is provided in the system's summary. This figure is an estimate calculated by dividing the amount of water provided to their customers by the system's production and/or purchase values. This information is reported to the Water Management Planners at the ADD on an annual basis. For specific system data, please visit [www.wris.ky.gov](http://www.wris.ky.gov).



# SOAR Study Area

- 2010 census population of 1,246,407 (568,374 households) with 34% serviceable.
- Projected 2020 population of 1,283,591 (change of 37,184).
- 3,838.15 miles of existing sewer lines.
- 1460.00 miles of line extensions proposed in the next 10 years.
- 170.00 miles of line rehabilitation proposed in the next 10 years.
- 163.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$647,693,076.
- Estimated funding needs for projects from 6 to 10 years: \$257,275,704.



SOAR Study Area has a 2010 census population count of 1,246,407 (568,374 households) with a projected 2020 population count of 1,283,591 (526,666 households). Public sewer is currently available to approximately 34 percent of the study area's households based on 2010 census counts. Over the next ten years approximately 45,088 serviceable households will be added through the construction of 1,460.00 miles of sewer line extensions and approximately 161,614 instances of improved service through the rehabilitation of 170.00 miles of existing sewer lines and other appurtenances. 163.00 miles of interceptor lines are also proposed within the SOAR study area.

**County Summary for SOAR Study Area**

County Name	2010 Population	2010 Households	2020 Population	2020 Households	Serviceable Households	Percent Serviceable	Planned Cost 0 to 10 Years
Adair	18,656	8,568	20,052	8,151	1,970	23%	\$ 8,671,500
Allen	19,956	9,307	22,366	9,171	2,043	22%	\$ 8,936,000
Barren	42,173	19,188	46,361	19,245	8,862	46%	\$ 27,973,000
Bath	11,591	5,405	12,132	5,006	1,739	32%	\$ 5,600,634
Bell	28,691	13,154	27,648	11,714	6,308	48%	\$ 18,242,885
Boyd	49,542	21,803	49,446	20,040	17,597	81%	\$ 29,420,750
Breathitt	13,878	6,231	12,495	5,046	1,401	23%	\$ 14,306,150
Carter	27,720	12,311	28,459	11,508	2,873	23%	\$ 8,055,033
Casey	15,955	7,487	16,433	6,791	1,055	14%	\$ 4,709,000
Clark	35,613	15,706	37,985	15,800	11,106	71%	\$ 34,588,250
Clay	21,730	8,875	20,289	7,421	1,834	21%	\$ 17,086,503
Clinton	10,272	5,311	10,896	4,755	1,297	24%	\$ 10,096,000
Cumberland	6,856	3,690	6,649	2,840	820	22%	\$ 3,500,000
Edmonson	12,161	6,467	12,628	5,283	704	11%	\$ 11,158,771
Elliott	7,852	3,371	8,078	3,011	368	11%	-
Estill	14,672	6,865	14,359	6,115	2,217	32%	\$ 47,473,000
Fleming	14,348	6,623	14,880	6,231	1,649	25%	\$ 13,653,883
Floyd	39,451	18,175	37,153	15,594	5,030	28%	\$ 27,079,061
Garrard	16,912	7,463	19,122	7,917	1,854	25%	\$ 4,616,420
Green	11,258	5,324	11,112	4,660	1,459	27%	\$ 1,290,000
Greenup	36,910	16,330	36,923	15,046	9,185	56%	\$ 26,292,360
Harlan	29,278	13,513	26,099	10,856	5,544	41%	\$ 24,889,630
Hart	18,199	8,559	18,690	7,604	2,362	28%	\$ 1,850,000
Jackson	13,494	6,523	13,771	5,961	487	8%	-
Johnson	23,356	10,624	23,265	9,647	2,956	28%	\$ 18,173,900
Knott	16,346	7,461	15,635	6,332	889	12%	\$ 12,697,348
Knox	31,883	14,485	32,132	13,362	4,632	32%	\$ 9,337,446
Laurel	58,849	25,446	64,713	26,415	9,281	37%	\$ 109,426,550

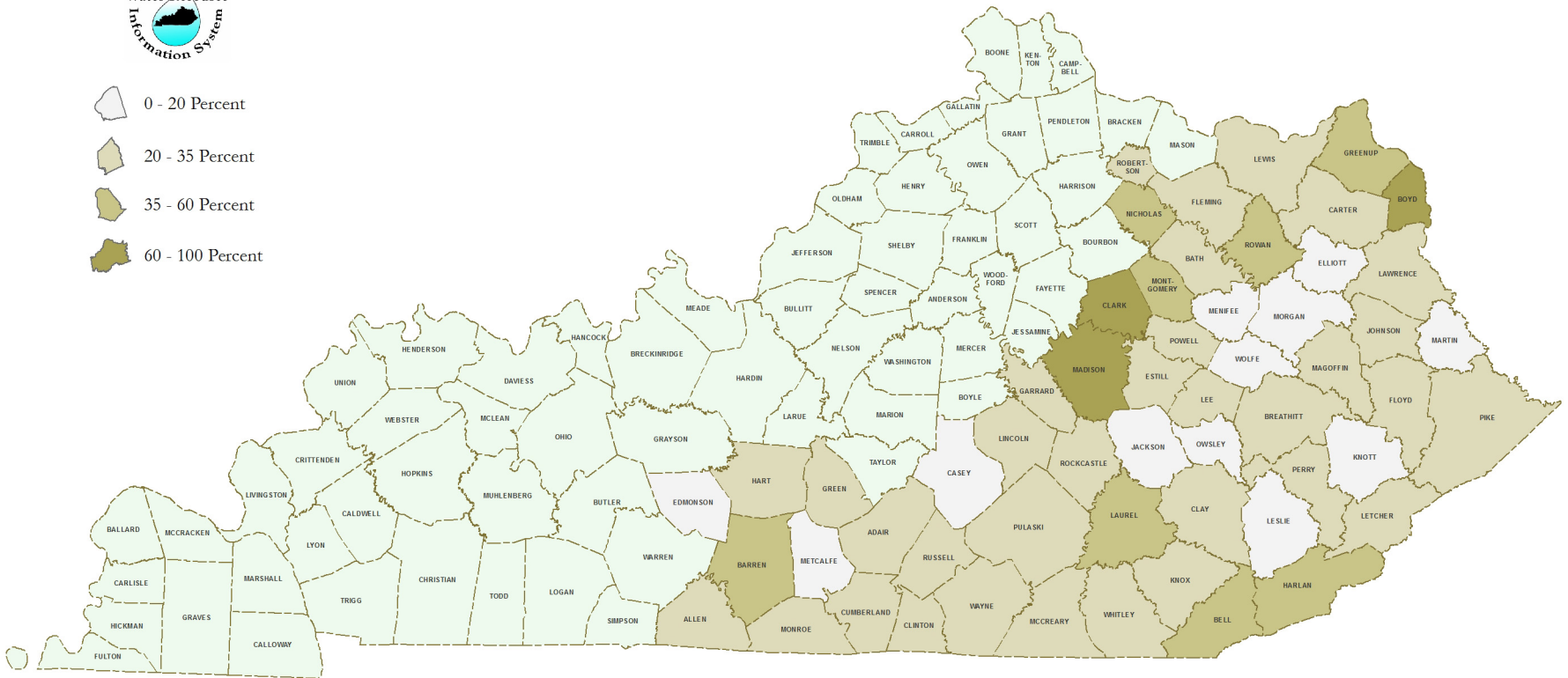
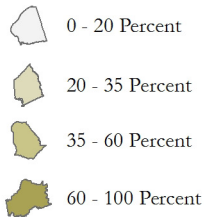
Lawrence	15,860	7,286	16,192	6,647	1,934	27%	\$ 13,983,260
Lee	7,887	3,436	7,820	3,014	962	28%	\$ 8,000,000
Leslie	11,310	5,278	10,603	4,377	664	13%	\$ 5,970,000
Letcher	24,519	11,601	24,237	10,161	3,303	29%	\$ 14,757,000
Lewis	13,870	6,481	13,899	5,717	1,759	27%	\$ 10,345,500
Lincoln	24,742	10,819	26,170	10,762	2,678	25%	\$ 15,503,420
McCreary	18,306	7,507	18,314	6,819	1,730	23%	\$ 10,123,985
Madison	82,916	35,043	95,333	38,093	21,940	63%	\$ 76,249,994
Magoffin	13,333	5,950	13,587	5,696	1,329	22%	\$ 13,795,700
Martin	12,929	5,164	12,055	4,410	566	11%	\$ 9,623,550
Menifee	6,306	3,744	6,038	2,422	547	15%	\$ 5,950,540
Metcalfe	10,099	4,681	10,329	4,306	808	17%	\$ 1,375,000
Monroe	10,963	5,204	10,405	4,423	1,506	29%	\$ 3,013,000
Montgomery	26,499	11,699	30,750	12,483	6,264	54%	\$ 5,240,589
Morgan	13,923	5,830	14,023	5,126	848	15%	\$ 5,063,029
Nicholas	7,135	3,261	7,411	3,012	1,262	39%	\$ 525,000
Owsley	4,755	2,328	4,704	1,971	393	17%	\$ 9,526,000
Perry	28,712	12,791	28,137	11,637	3,518	28%	\$ 25,084,897
Pike	65,024	30,304	61,991	26,357	6,584	22%	\$ 62,731,742
Powell	12,613	5,598	12,319	4,860	1,919	34%	\$ 6,990,650
Pulaski	63,063	31,443	71,036	29,901	7,011	22%	\$ 16,924,000
Robertson	2,282	1,095	2,364	965	263	24%	\$ 2,724,000
Rockcastle	17,056	7,703	17,593	7,308	1,991	26%	\$ 27,838,000
Rowan	23,333	10,102	24,708	9,546	5,600	55%	\$ 3,988,633
Russell	17,565	9,993	18,782	8,112	2,956	30%	\$ 7,146,566
Wayne	20,813	10,942	22,128	9,686	2,924	27%	\$ 20,011,000
Whitley	35,637	15,166	35,256	14,048	4,917	32%	\$ 23,111,051
Wolfe	7,355	3,660	7,636	3,285	359	10%	\$ 248,600
<b>Totals</b>	<b>1,246,407</b>	<b>568,374</b>	<b>1,283,591</b>	<b>526,666</b>	<b>194,057</b>	<b>34%</b>	<b>\$ 904,968,780</b>

## Percent of Households Serviceable by Public Wastewater Systems in 2010

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### Public Sewer Systems in the SOAR Study Area

Note: Serviceable counts include households outside the area development district.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0024317</a>	Columbia/Adair Utilities District	Adair	4,647	1,970
<a href="#">KY0024783</a>	Scottsville Municipal Water & Sewer Department	Allen	4,154	2,043
<a href="#">KY0091561</a>	Caveland Environmental Authority	Barren	3,338	1,623
<a href="#">KY0021164</a>	Glasgow Water Company	Barren	15,072	7,237
<a href="#">KIA011001</a>	Bath County Sanitation District	Bath	153	72
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Bath	853	439
<a href="#">KY0024287</a>	Owingsville Water and Sewer	Bath	2,001	996
<a href="#">KY0088421</a>	Sharpsburg Sewer	Bath	387	226
<a href="#">KY0072885</a>	City of Middlesboro	Bell	10,364	4,971
<a href="#">KY0024058</a>	Pineville Utility Commission	Bell	3,106	1,329
<a href="#">KY0022373</a>	Ashland Sewer Department	Boyd	21,648	10,527
<a href="#">KYP000040</a>	Boyd & Greenup County Sanitation District #1	Boyd	90	43
<a href="#">KYP000035</a>	Boyd County Sanitation District #2	Boyd	4,133	1,840
<a href="#">KYP000044</a>	Boyd County Sanitation District #4	Boyd	10,708	4,112
<a href="#">KY0035467</a>	Catlettsburg Sewer Department	Boyd	2,283	1,075
<a href="#">KY0021288</a>	Jackson Wastewater	Breathitt	2,960	1,401
<a href="#">KY0020931</a>	Grayson Sewer Department	Carter	4,637	1,957
<a href="#">KY0025925</a>	Olive Hill Sewer Department	Carter	1,837	903
<a href="#">KY0026352</a>	Liberty Water & Gas	Casey	2,050	1,055
<a href="#">KY0037991</a>	Winchester Municipal Utilities	Clark	25,141	11,106
<a href="#">KY0029122</a>	City of Manchester	Clay	4,514	1,814
<a href="#">KY0024295</a>	Albany Municipal Water & Sewer	Clinton	2,499	1,297
<a href="#">KY0036854</a>	Burkesville Wastewater	Cumberland	1,490	775
<a href="#">KY0023396</a>	Brownsville Municipal Water & Sewer	Edmonson	929	480
<a href="#">KY0091561</a>	Caveland Environmental Authority	Edmonson	504	213
<a href="#">KY0052264</a>	Sandy Hook Sewer Department	Elliott	688	368
<a href="#">KY0095940</a>	Estill County Water District	Estill	778	365
<a href="#">KY0025909</a>	Irvine Municipal Utilities	Estill	3,728	1,852
<a href="#">KY0021229</a>	Flemingsburg Sewer	Fleming	3,116	1,591
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Fleming	137	58
<a href="#">KY0026921</a>	Martin Wastewater Treatment Plant	Floyd	789	442
<a href="#">KY0103578</a>	Paintsville Utilities Commission - Honey Branch	Floyd	859	414
<a href="#">KY0027413</a>	Prestonsburg City's Utilities	Floyd	7,909	3,676
<a href="#">KY0107051</a>	Southern Water & Sewer District - Eastern STP	Floyd	37	24
<a href="#">KY0105228</a>	Southern Water & Sewer District - Wayland STP	Floyd	228	100
<a href="#">KY0028789</a>	Wheelwright Utility Commission	Floyd	923	374
<a href="#">KY0020974</a>	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,991	1,854
<a href="#">KY0023841</a>	Greensburg Sewer Department	Green	2,359	1,179
<a href="#">KY0096881</a>	Sanitation District #1 of Green County	Green	620	280
<a href="#">KYP000040</a>	Boyd & Greenup County Sanitation District #1	Greenup	2,954	1,232
<a href="#">KYP000035</a>	Boyd County Sanitation District #2	Greenup	81	35
<a href="#">KYP000039</a>	Flatwoods Sewer Department	Greenup	7,721	3,444
<a href="#">KY0026450</a>	Greenup Sewer Department	Greenup	1,270	542
<a href="#">KYP000038</a>	Raceland Sewer Department	Greenup	2,388	1,109
<a href="#">KYP000037</a>	Russell Sewer Department	Greenup	854	420

### Public Sewer Systems in the SOAR Study Area

Note: Serviceable counts include households outside the area development district.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0026131</a>	South Shore Sewer Department	Greenup	2,282	1,102
<a href="#">KY0022926</a>	Worthington Sewer Department	Greenup	1,611	682
<a href="#">KY0033553</a>	Wurtland Sewer Department	Greenup	1,429	605
<a href="#">KY0025755</a>	City of Benham	Harlan	778	406
<a href="#">KY0021571</a>	City of Cumberland	Harlan	2,198	1,047
<a href="#">KY0073091</a>	City of Evarts	Harlan	1,307	483
<a href="#">KY0077615</a>	City of Evarts Turner Trailer Park	Harlan	81	43
<a href="#">KY0026093</a>	City of Harlan	Harlan	5,794	2,683
<a href="#">KY0026115</a>	City of Loyall	Harlan	748	374
<a href="#">KY0024279</a>	City of Lynch	Harlan	839	499
<a href="#">KY0091561</a>	Caveland Environmental Authority	Hart	3,286	1,587
<a href="#">KY0031755</a>	Munfordville Municipal Water/Sewer Commission	Hart	1,574	775
<a href="#">KY0034444</a>	City of McKee	Jackson	886	487
<a href="#">KY0103578</a>	Paintsville Utilities Commission - Honey Branch	Johnson	1,210	536
<a href="#">KY0020630</a>	Paintsville Utilities Commission - Paintsville STP	Johnson	5,008	2,420
<a href="#">KY0027685</a>	Hindman Wastewater	Knott	1,301	618
<a href="#">KY0042854</a>	Knott County Water and Sewer District	Knott	547	107
<a href="#">KY0107956</a>	Troublesome Creek Environmental Authority (Ball Creek)	Knott	264	121
<a href="#">KY0060259</a>	Vicco Wastewater	Knott	87	40
<a href="#">KY0024082</a>	Barbourville Utility Commission	Knox	5,604	2,546
<a href="#">KY0020133</a>	Corbin Utilities Commission	Knox	4,168	2,026
<a href="#">KYP000074</a>	Knox County Utility Commission	Knox	113	60
<a href="#">KY0020133</a>	Corbin Utilities Commission	Laurel	3,007	1,351
<a href="#">KY0021270</a>	London Utility Commission	Laurel	12,410	5,604
<a href="#">KYP000063</a>	Wood Creek Water District	Laurel	4,908	2,227
<a href="#">KYP000061</a>	Lawrence County Fiscal Court	Lawrence	820	353
<a href="#">KY0027961</a>	Louisa Sewer Department	Lawrence	3,419	1,581
<a href="#">KY0021121</a>	Beattyville Wastewater	Lee	2,626	962
<a href="#">KY0021245</a>	Hyden Wastewater Department	Leslie	1,430	664
<a href="#">KY0027405</a>	Fleming-Neon Wastewater	Letcher	2,554	1,275
<a href="#">KY0038571</a>	Jenkins Wastewater	Letcher	1,878	897
<a href="#">KY0103217</a>	Letcher County Water & Sewer District - Millstone	Letcher	92	39
<a href="#">KY0106283</a>	Whitesburg Wastewater	Letcher	2,355	1,092
<a href="#">KY0105422</a>	Garrison Sewer	Lewis	759	352
<a href="#">KY0102601</a>	Lewis County Sanitation District #1	Lewis	1,112	515
<a href="#">KY0078123</a>	Meadowbrook Subdivision	Lewis	262	105
<a href="#">KY0021512</a>	Vanceburg Sewer	Lewis	1,590	786
<a href="#">KY0065897</a>	Crab Orchard Sewer Department	Lincoln	894	446
<a href="#">KY0057193</a>	Danville Municipal Sewer System	Lincoln	206	103
<a href="#">KY0024619</a>	Stanford Sewer Department	Lincoln	4,850	2,129
<a href="#">KY0079898</a>	Berea Sewer Department	Madison	13,846	5,735
<a href="#">KY0102971</a>	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,320	566
<a href="#">KY0056561</a>	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	201	91
<a href="#">KYP000071</a>	Northern Madison County Sanitation District - Greens Crossing	Madison	790	362
<a href="#">KY0105376</a>	Northern Madison County Sanitation District - Regional Plant	Madison	2,614	1,008



### Public Sewer Systems in the SOAR Study Area

Note: Serviceable counts include households outside the area development district.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0107107</a>	Richmond Utilities - Otter Creek	Madison	31,848	13,957
<a href="#">KY0103357</a>	Richmond Utilities - Silver Creek	Madison	378	215
<a href="#">KY0104540</a>	Salysersville Water Works	Magoffin	2,946	1,329
<a href="#">KY0079316</a>	Martin County Sanitation District	Martin	1,193	566
<a href="#">KY0097837</a>	McCreary County Water District	McCreary	3,884	1,730
<a href="#">KY0040584</a>	Frenchburg Water and Sewer	Menifee	676	370
<a href="#">KY0100901</a>	Menifee County Sanitation District # 1	Menifee	401	169
<a href="#">KY0028100</a>	Edmonton Water Works	Metcalfe	1,590	808
<a href="#">KIA171001</a>	Fountain Run Water District #1	Monroe	222	131
<a href="#">KY0095257</a>	Gamaliel Municipal Water & Wastewater Department	Monroe	456	215
<a href="#">KY0020702</a>	Tompkinsville Sewer Department	Monroe	2,321	1,160
<a href="#">KY0069736</a>	Montgomery County Sanitation Dist #2	Montgomery	1,767	791
<a href="#">KY0104400</a>	Mount Sterling Water and Sewer System	Montgomery	11,863	5,473
<a href="#">KY0089567</a>	West Liberty Sewer	Morgan	3,561	848
<a href="#">KY0020923</a>	Carlisle Sewer Department	Nicholas	2,253	1,148
<a href="#">KIA181001</a>	Nicholas County Sanitation District #2	Nicholas	183	107
<a href="#">KY0033774</a>	Booneville Water and Sewer	Owsley	830	393
<a href="#">KY0020079</a>	Hazard Wastewater	Perry	6,313	2,917
<a href="#">KYP000034</a>	Perry County Sanitation District #1	Perry	961	440
<a href="#">KY0060259</a>	Vicco Wastewater	Perry	346	156
<a href="#">KY0020958</a>	Elkhorn City Water Department	Pike	1,014	494
<a href="#">KY0042811</a>	Mountain Water District - Douglas	Pike	1,722	850
<a href="#">KY0025291</a>	Pikeville Wastewater Treatment Plant	Pike	11,175	5,232
<a href="#">KYP000084</a>	Clay City WWTP	Powell	1,203	581
<a href="#">KY0104078</a>	Powells Valley Water District Sewer Division	Powell	71	59
<a href="#">KYP000085</a>	Stanton, City of	Powell	2,908	1,274
<a href="#">KYP000069</a>	Burnside Municipal Water Works	Pulaski	523	278
<a href="#">KY0094447</a>	Science Hill Sewer	Pulaski	1,140	496
<a href="#">KY0026611</a>	Somerset Utilities	Pulaski	12,914	6,236
<a href="#">KY0104299</a>	Mount Olivet Sewer	Robertson	560	258
<a href="#">KY0047431</a>	City of Brodhead	Rockcastle	1,176	531
<a href="#">KY0040703</a>	City of Livingston	Rockcastle	198	105
<a href="#">KY0024694</a>	City of Mount Vernon	Rockcastle	2,867	1,355
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Rowan	13,767	5,589
<a href="#">KY0062995</a>	Jamestown Utilities	Russell	1,875	907
<a href="#">KYP000057</a>	Russell Springs Sewer & Water Works	Russell	3,684	2,047
<a href="#">KY0033847</a>	Monticello Utility Commission	Wayne	6,252	2,924
<a href="#">KY0028347</a>	City of Williamsburg	Whitley	5,633	2,165
<a href="#">KY0020133</a>	Corbin Utilities Commission	Whitley	5,847	2,752
<a href="#">KY0104728</a>	Campton Wastewater Department	Wolfe	700	359
		<b>Totals:</b>	425,207	193,768

### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21009018</a>	Glasgow Southside Interceptor and Old WWTP Retention	0-2 Years	Not Funded	\$5,500,000	Barren	1	1
<a href="#">SX21013151</a>	Pineville: Virginia Avenue Utility Replacement	0-2 Years	Partially Funded	\$2,233,485	Bell	1	1
<a href="#">SX21019061</a>	Catlettsburg: Rehab Clarifiers at Wastewater Treatment Plant	0-2 Years	Not Funded	\$462,000	Boyd	1	1
<a href="#">SX21025007</a>	Wal-Mart Area Sewer Project	3-5 Years	Not Funded	\$510,000	Breathitt	1	1
<a href="#">SX21115008</a>	Paintsville WWTP I & I Removal Project Phase I & III	0-2 Years	Not Funded	\$7,148,900	Johnson	1	1
<a href="#">SX21135018</a>	LCSD #1 Sewer Plant Upgrade	3-5 Years	Not Funded	\$2,150,000	Lewis	1	1
<a href="#">SX21175008</a>	City of West Liberty Wastewater Improvements Miscellaneous Sanitary Sewer Extensions - Contract 3	0-2 Years	Not Funded	\$1,210,016	Morgan	1	1
<a href="#">SX21137001</a>	Phase I Sewer Project (Junction City to Moreland Area)	0-2 Years	Not Funded	\$4,433,000	Lincoln	2	1
<a href="#">SX21119811</a>	TEA - Ball Creek WWTP and Lines Phase II	0-2 Years	Partially Funded	\$1,633,333	Knott	2	1
<a href="#">SX21089095</a>	South Shore: Upgrade Lift Stations 4, 5, and 6	0-2 Years	Not Funded	\$753,000	Greenup	2	2
<a href="#">SX21069020</a>	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Not Funded	\$525,000	Fleming	2	1
<a href="#">SX21205033</a>	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sew	3-5 Years	Not Funded	\$500,000	Rowan	2	1
<a href="#">SX21095004</a>	City of Loyall - wastewater Line Replacement Project Phase 3	3-5 Years	Not Funded	\$1,284,500	Harlan	2	1
<a href="#">SX21195018</a>	Elkhorn City Wastewater Elkhorn City Wastewater Improvements	0-2 Years	Not Funded	\$22,800	Pike	2	1
<a href="#">SX21235004</a>	Sanitary Sewer Rehabilitation and I&I Removal Project	3-5 Years	Partially Funded	\$1,179,835	Whitley	3	1
<a href="#">SX21195024</a>	City of Pikeville KY Wastewater Treatment Plant Upgrade	0-2 Years	Partially Funded	\$21,945,000	Pike	3	2
<a href="#">SX21201007</a>	Mt. Olivet Phase 1 - Wastewater Treatment Plant Upgrade	0-2 Years	Not Funded	\$65,000	Robertson	3	1
<a href="#">SX21089031</a>	Raceland: Sanitary Sewer Rehab Project	3-5 Years	Not Funded	\$50,000	Greenup	3	1
<a href="#">SX21129005</a>	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	\$2,000,000	Lee	3	1
<a href="#">SX21175013</a>	City of West Liberty Liberty Road Sewer Extension	3-5 Years	Not Funded	\$3,257,940	Morgan	3	2
<a href="#">SX21171014</a>	Fountain Run Water District #1 - Sewer System Improvements	3-5 Years	Not Funded	\$360,000	Monroe	4	1
<a href="#">SX21173023</a>	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	\$275,000	Montgomery	4	1
<a href="#">SX21131211</a>	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	\$4,200,000	Leslie	4	1
<a href="#">SX21153522</a>	Magoffin County Industrial Park Sewer Extension	3-5 Years	Not Funded	\$2,900,000	Magoffin	4	1
<a href="#">SX21203316</a>	City of Brodhead - Sewer Rehabilitation	0-2 Years	Not Funded	\$1,775,000	Rockcastle	4	1
<a href="#">SX21043019</a>	Olive Hill: Smokey Valley Sewer Line Extension	3-5 Years	Not Funded	\$525,000	Carter	4	1
<a href="#">SX21235005</a>	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	\$1,599,411	Whitley	5	2
<a href="#">SX21133009</a>	Crafts Colley Sanitary Sewer Project - Phase 1	0-2 Years	Not Funded	\$1,100,000	Letcher	5	1
<a href="#">SX21173014</a>	Mt. Sterling Water & Sewer System Manhole Rehab Project	3-5 Years	Not Funded	\$625,000	Montgomery	5	2
<a href="#">SX21071005</a>	Phase III - Harold Sewer Project	3-5 Years	Not Funded	\$2,000,000	Floyd	5	1
<a href="#">SX21065002</a>	Wisemantown Sewer Extensions	0-2 Years	Not Funded	\$3,400,000	Estill	5	1
<a href="#">SX21019077</a>	SD4: Rehab Ray Drive Sewer Line	3-5 Years	Not Funded	\$312,000	Boyd	5	3

### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21049028</a>	Hampton Manor Outfall Sewer	0-2 Years	Not Funded	\$1,404,000	Clark	6	6
<a href="#">SX21011021</a>	City of Owingsville Industrial Park WWTP Modification Project	0-2 Years	Partially Funded	\$2,010,250	Bath	6	1
<a href="#">SX21095050</a>	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	\$3,501,500	Harlan	6	2
<a href="#">SX21089021</a>	Wurtland: Lloyd Sanitary Sewer Project	3-5 Years	Partially Funded	\$6,725,000	Greenup	6	3
<a href="#">SX21159002</a>	Inez Wastewater Sewerline Extension KY 3 Rockcastle Branch	11-20 Years	Not Funded	\$1,122,695	Martin	6	1
<a href="#">SX21189002</a>	Booneville Pump Station Rehab	3-5 Years	Not Funded	\$273,500	Owsley	6	1
<a href="#">SX21193006</a>	Vicco Wastewater Treatment Plant & Sewer Collection Project - Phase III	3-5 Years	Not Funded	\$2,683,265	Perry	7	1
<a href="#">SX21195699</a>	Douglas WWTP Expansion	0-2 Years	Partially Funded	\$3,058,735	Pike	7	3
<a href="#">SX21203153</a>	Wastewater System Improvements Project	3-5 Years	Not Funded	\$1,419,000	Rockcastle	7	2
<a href="#">SX21151014</a>	Sugarville/Terrill Branch Interceptor	0-2 Years	Partially Funded	\$1,271,140	Madison	7	1
<a href="#">SX21169012</a>	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	7	1
<a href="#">SX21089069</a>	Raceland: Caroline Road Line Extension	3-5 Years	Not Funded	\$220,000	Greenup	7	4
<a href="#">SX21011002</a>	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	\$700,000	Bath	7	2
<a href="#">SX21003022</a>	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	\$1,250,000	Allen	8	1
<a href="#">SX21019013</a>	Boyd County SD4: Rt5 Area Sewers	3-5 Years	Partially Funded	\$4,730,000	Boyd	8	2
<a href="#">SX21095061</a>	Lynch: Wastewater Rehabilitation	0-2 Years	Partially Funded	\$1,112,488	Harlan	8	3
<a href="#">SX21115510</a>	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	\$2,750,000	Johnson	8	2
<a href="#">SX21173027</a>	Mount Sterling Water and Sewer SCADA System Replacement Project	3-5 Years	Not Funded	\$45,000	Montgomery	8	3
<a href="#">SX21201008</a>	Mt. Olivet Phase 2 - Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	\$2,000,000	Robertson	8	2
<a href="#">SX21193003</a>	Hazard Sanitary Trunk Rehabilitation	3-5 Years	Not Funded	\$3,211,510	Perry	8	2
<a href="#">SX21189005</a>	Booneville I/I Replacement Project	3-5 Years	Not Funded	\$1,526,000	Owsley	9	2
<a href="#">SX21173017</a>	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	\$75,000	Montgomery	9	4
<a href="#">SX21159005</a>	Coldwater Sewer Line Extension Phase 1	11-20 Years	Not Funded	\$2,535,000	Martin	9	2
<a href="#">SX21099006</a>	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	\$400,000	Hart	9	1
<a href="#">SX21121133</a>	Barbourville: Sewer Rehab	3-5 Years	Not Funded	\$1,856,109	Knox	9	1
<a href="#">SX21069019</a>	Flemingsburg Circle Drive & Textron Drive Sewer Line Replacement	3-5 Years	Not Funded	\$210,000	Fleming	9	2
<a href="#">SX21043017</a>	Olive Hill: Rehab of City Lines to Replace Clay Pipe	3-5 Years	Not Funded	\$831,775	Carter	9	3
<a href="#">SX21019062</a>	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	\$2,173,000	Boyd	10	4
<a href="#">SX21071721</a>	SWSD - Wayland Sewer Line Extension Project	6-10 Years	Not Funded	\$2,000,000	Floyd	10	2
<a href="#">SX21061009</a>	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	\$7,843,771	Edmonson	10	1
<a href="#">SX21135020</a>	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	\$1,080,000	Lewis	10	2
<a href="#">SX21133010</a>	Whitesburg - Sandlick Area Sewer Extensions	6-10 Years	Not Funded	\$2,053,000	Letcher	10	2



### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21173066</a>	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	\$75,000	Montgomery	10	5
<a href="#">SX21203190</a>	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	\$1,025,000	Rockcastle	10	3
<a href="#">SX21135002</a>	Garrison Sewer Phase II	6-10 Years	Not Funded	\$2,000,000	Lewis	11	3
<a href="#">SX21131002</a>	Hyden - Wastewater Expansion Phase II	3-5 Years	Not Funded	\$500,000	Leslie	11	2
<a href="#">SX21127029</a>	Louisa: Wastewater Treatment Plant	0-2 Years	Not Funded	\$6,750,000	Lawrence	11	1
<a href="#">SX21153004</a>	Magoffin County Garage Lift Station and Line Replacement Project	0-2 Years	Not Funded	\$735,000	Magoffin	11	2
<a href="#">SX21121138</a>	City of Barbourville - Heidrick Sanitary	0-2 Years	Partially Funded	\$1,000,000	Knox	11	2
<a href="#">SX21009044</a>	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	\$1,000,000	Barren	11	2
<a href="#">SX21011019</a>	Bath County Sanitation District Valve and Riser Lid Replacement	3-5 Years	Not Funded	\$60,000	Bath	11	3
<a href="#">SX21013144</a>	Pineville - PMRIDA Sewer Ext to Industrial Park	0-2 Years	Partially Funded	\$4,994,000	Bell	12	3
<a href="#">SX21043030</a>	Grayson: Rolling Hills Subdivision Sewer Extension	0-2 Years	Not Funded	\$1,200,000	Carter	12	2
<a href="#">SX21069017</a>	Ewing Sewer Phase I (Construction)	6-10 Years	Not Funded	\$5,870,000	Fleming	12	3
<a href="#">SX21173063</a>	Montgomery County Sanitation District No. 2 Sludge Holding Tank	3-5 Years	Not Funded	\$170,089	Montgomery	12	6
<a href="#">SX21129007</a>	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	\$6,000,000	Lee	12	2
<a href="#">SX21195692</a>	MWD - Belfry-Pond Sewer Project	0-2 Years	Partially Funded	\$7,450,175	Pike	12	4
<a href="#">SX21201005</a>	Mt. Olivet Phase III Sewer Line Extension	3-5 Years	Not Funded	\$659,000	Robertson	13	3
<a href="#">SX21043003</a>	Grayson: Rt 7 to Landsdowne Subdivision	3-5 Years	Not Funded	\$765,000	Carter	13	4
<a href="#">SX21205029</a>	Morehead Utility Plant Board Sunnybrook Development Sewer Line E	3-5 Years	Not Funded	\$989,750	Rowan	13	2
<a href="#">SX21137015</a>	Stanford - US 27 South Sewer Expansion Project	0-2 Years	Not Funded	\$5,326,420	Lincoln	13	5
<a href="#">SX21071001</a>	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	\$150,000	Floyd	13	3
<a href="#">SX21051006</a>	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	\$1,180,000	Clay	13	1
<a href="#">SX21119005</a>	Knott County Sewer Rehabilitation Project	3-5 Years	Partially Funded	\$945,900	Knott	13	2
<a href="#">SX21025003</a>	Wolverine Sewer Extensions	3-5 Years	Not Funded	\$697,500	Breathitt	14	2
<a href="#">SX21043018</a>	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	\$315,000	Carter	14	5
<a href="#">SX21049037</a>	Maple Street Storm and Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	\$926,000	Clark	14	2
<a href="#">SX21175020</a>	City of West Liberty Camera Inspection Equipment Purchase Project	3-5 Years	Not Funded	\$85,168	Morgan	14	3
<a href="#">SX21235006</a>	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	\$4,732,000	Whitley	14	3
<a href="#">SX21195115</a>	Pikeville - Mossy Bottom Collection System Rehab	0-2 Years	Not Funded	\$700,000	Pike	14	5
<a href="#">SX21061007</a>	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	\$3,315,000	Edmonson	15	2
<a href="#">SX21173033</a>	Montgomery County Sanitation District No. 2 Head Works Screen Pr	3-5 Years	Not Funded	\$200,000	Montgomery	15	7
<a href="#">SX21125151</a>	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	\$4,000,000	Laurel	15	1
<a href="#">SX21025001</a>	Jackson - Lick Br/Panbowl/Hwy 15N Sewer Extensions	6-10 Years	Not Funded	\$3,400,000	Breathitt	15	3
<a href="#">SX21089019</a>	Raceland: US 23 & Caroline Road Sewer Extension	3-5 Years	Not Funded	\$215,000	Greenup	15	5

### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21003036</a>	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	\$400,000	Allen	16	2
<a href="#">SX21173024</a>	Montgomery County Sanitation District No. 2 Pump Station No. 5 P	3-5 Years	Not Funded	\$267,000	Montgomery	16	8
<a href="#">SX21051005</a>	East Manchester Sewer Line Replacement	3-5 Years	Not Funded	\$4,600,000	Clay	16	2
<a href="#">SX21173010</a>	Montgomery Co. Sanitation Dist.#2 Pump Station and Line Upgrade	3-5 Years	Not Funded	\$464,000	Montgomery	17	9
<a href="#">SX21125318</a>	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	\$1,199,266	Laurel	17	3
<a href="#">SX21065008</a>	Kelly Pump Station 6-Inch Force Main Replacement - Imu	0-2 Years	Not Funded	\$250,000	Estill	17	2
<a href="#">SX21099021</a>	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	\$1,450,000	Hart	18	2
<a href="#">SX21173034</a>	Montgomery County Sanitation District No. 2 Pump Station Upgrade	3-5 Years	Not Funded	\$510,000	Montgomery	18	10
<a href="#">SX21235117</a>	Corbin Wastewater Treatment Plant Upgrade Improvements	3-5 Years	Partially Funded	\$9,184,115	Laurel	18	6
<a href="#">SX21201004</a>	Mt. Olivet-Extend Service to Sardis From KY 616	11-20 Years	Not Funded	\$2,353,000	Robertson	18	4
<a href="#">SX21169007</a>	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	\$400,000	Metcalfe	19	2
<a href="#">SX21095055</a>	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	\$600,000	Harlan	19	4
<a href="#">SX21069018</a>	Hillsboro Sewer Phase I (Construction)	6-10 Years	Not Funded	\$5,550,000	Fleming	19	4
<a href="#">SX21011016</a>	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	\$590,000	Bath	19	4
<a href="#">SX21051001</a>	Downtown Manchester Sewer Line Rehabilitation and Replacement	3-5 Years	Not Funded	\$7,500,000	Clay	20	3
<a href="#">SX21171003</a>	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	\$1,000,000	Monroe	20	2
<a href="#">SX21175021</a>	City of West Liberty WWTP Rehab Project	3-5 Years	Not Funded	\$424,737	Morgan	20	4
<a href="#">SX21135010</a>	Vanceburg - Meadowbrook	3-5 Years	Not Funded	\$1,386,500	Lewis	20	4
<a href="#">SX21151045</a>	Berea Gravity Sewer Rehabilitation	0-2 Years	Not Funded	\$1,600,000	Madison	20	4
<a href="#">SX21135007</a>	LCSD-Ribolt Area	3-5 Years	Not Funded	\$794,000	Lewis	21	5
<a href="#">SX21009045</a>	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	\$900,000	Barren	21	3
<a href="#">SX21065007</a>	Covey Road Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	\$201,000	Estill	21	4
<a href="#">SX21203192</a>	Mount Vernon Wastewater Gravity Force Main and Lift Station Hwy 25 South From Mt. Vernon to Burr Area	3-5 Years	Not Funded	\$5,385,000	Rockcastle	21	5
<a href="#">SX21165017</a>	Menifee County Sanitation District No. 1 Equalization Basin	3-5 Years	Not Funded	\$750,000	Menifee	21	1
<a href="#">SX21065006</a>	Wall Street Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	\$309,000	Estill	22	3
<a href="#">SX21051048</a>	Red Bird Mission Wastewater Plant Replacement	3-5 Years	Not Funded	\$900,000	Clay	22	4
<a href="#">SX21011018</a>	Bath County Sanitation District Preston Sewer Project Phase II	3-5 Years	Not Funded	\$470,000	Bath	22	5
<a href="#">SX21013003</a>	Remaining balance of SX21013148	3-5 Years	Not Funded	\$0	Bell	23	2
<a href="#">SX21165010</a>	City of Frenchburg Ponder Branch Sewer Extension	3-5 Years	Not Funded	\$100,290	Menifee	23	2
<a href="#">SX21135013</a>	3037 Collection	6-10 Years	Not Funded	\$1,000,000	Lewis	23	6
<a href="#">SX21135015</a>	Vanceburg EPB Sanitary Sewer Improvements	6-10 Years	Not Funded	\$1,000,000	Lewis	24	7
<a href="#">SX21125519</a>	London - Phase I to Serve The Area Between Park Road (KY 3432) and I-75	3-5 Years	Not Funded	\$918,450	Laurel	24	4

### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21169008</a>	Edmonton - River Road Project Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	24	3
<a href="#">SX21011015</a>	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	\$225,000	Bath	24	6
<a href="#">SX21011020</a>	City of Owingsville Sewer Extension to Remaining Unserved In Cit	3-5 Years	Not Funded	\$100,000	Bath	25	7
<a href="#">SX21003011</a>	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	\$750,000	Allen	25	3
<a href="#">SX21051007</a>	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	\$425,000	Clay	25	5
<a href="#">SX21135022</a>	Tollesboro Industrial Park (Sewer)	3-5 Years	Not Funded	\$270,000	Lewis	25	8
<a href="#">SX21165015</a>	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	\$650,250	Menifee	26	3
<a href="#">SX21125516</a>	London Utility Commission - Sunshine Hills Area Phase I	6-10 Years	Not Funded	\$605,800	Laurel	26	2
<a href="#">SX21135003</a>	Garrison Sewer Phase III	11-20 Years	Not Funded	\$1,500,000	Lewis	26	9
<a href="#">SX21171018</a>	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	\$193,000	Monroe	27	3
<a href="#">SX21011007</a>	City of Sharpsburg Oaklawn Line Extension Project	3-5 Years	Not Funded	\$882,100	Bath	27	8
<a href="#">SX21203191</a>	City of Mount Vernon -WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	\$5,500,000	Rockcastle	27	4
<a href="#">SX21125322</a>	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	\$10,150,000	Laurel	28	5
<a href="#">SX21165013</a>	City of Frenchburg Tower Road and Cresent Hill Wastewater Collection Improvements	3-5 Years	Not Funded	\$350,000	Menifee	28	4
<a href="#">SX21013004</a>	Remaining Balance of SX21013142	3-5 Years	Not Funded	\$0	Bell	29	4
<a href="#">SX21011017</a>	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	\$563,284	Bath	29	9
<a href="#">SX21095510</a>	City of Benham: Popular Street Sewer Replacement	3-5 Years	Not Funded	\$87,000	Harlan	30	6
<a href="#">SX21151039</a>	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	\$1,275,000	Madison	30	3
<a href="#">SX21205036</a>	Morehead Utility Plant Board KY 801 and KY 158 Sewer Extension Project	3-5 Years	Not Funded	\$1,498,883	Rowan	30	3
<a href="#">SX21009049</a>	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	\$505,000	Barren	31	4
<a href="#">SX21137020</a>	Crab Orchard UV Replacement	0-2 Years	Not Funded	\$275,000	Lincoln	31	2
<a href="#">SX21173064</a>	Mt. Sterling Water & Sewer WWTP Generator Project	3-5 Years	Not Funded	\$150,000	Montgomery	31	11
<a href="#">SX21051002</a>	Frog Level Sewer Line Replacement	3-5 Years	Not Funded	\$780,000	Clay	31	6
<a href="#">SX21095008</a>	U.S. 119 Fourmile - Wallins Sanitary Sewer Extension	0-2 Years	Not Funded	\$1,800,000	Harlan	32	5
<a href="#">SX21079015</a>	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	\$403,550	Garrard	32	4
<a href="#">SX21173055</a>	Mt. Sterling Water & Sewer I&I Study and Repair Project	3-5 Years	Not Funded	\$1,000,000	Montgomery	32	12
<a href="#">SX21125115</a>	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	\$231,475	Laurel	33	7
<a href="#">SX21003018</a>	City of Scottsville - Pump Station Telemetry Project	6-10 Years	Not Funded	\$650,000	Allen	33	4
<a href="#">SX21205037</a>	Morehead Utility Plant Board Administrative Software Upgrade	3-5 Years	Not Funded	\$250,000	Rowan	33	4
<a href="#">SX21205035</a>	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	\$500,000	Rowan	34	5
<a href="#">SX21169005</a>	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	\$25,000	Metcalfe	34	4
<a href="#">SX21165007</a>	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	\$4,000,000	Menifee	35	5
<a href="#">SX21171008</a>	City of Tompkinsville - Sewer Extension to Joe Harrison Carter School	3-5 Years	Not Funded	\$450,000	Monroe	35	4

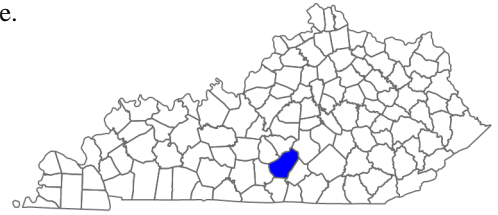


### Project Rankings For SOAR Study Area

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21173051</a>	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	36	13
<a href="#">SX21151048</a>	Walnut Street Stormwater Improvement	0-2 Years	Not Funded	\$1,800,000	Madison	36	5
<a href="#">SX21173052</a>	Mt. Sterling Water & Sewer Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	37	14
<a href="#">SX21003024</a>	Scottsville - 231 Sewer Extension	0-2 Years	Not Funded	\$3,000,000	Allen	37	5
<a href="#">SX21173053</a>	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	38	15
<a href="#">SX21173054</a>	Mt. Sterling Water & Sewer LMS Pump Station Elimination	3-5 Years	Not Funded	\$100,000	Montgomery	39	16
<a href="#">SX21169011</a>	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	\$350,000	Metcalfe	39	5
<a href="#">SX21173015</a>	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	3-5 Years	Not Funded	\$75,000	Montgomery	40	17
<a href="#">SX21173049</a>	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade P	3-5 Years	Not Funded	\$100,000	Montgomery	41	18
<a href="#">SX21173050</a>	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	3-5 Years	Not Funded	\$175,000	Montgomery	42	19
<a href="#">SX21173046</a>	Montgomery County Sanitation District Upgrade Chlorine Room At W	3-5 Years	Not Funded	\$14,500	Montgomery	43	20
<a href="#">SX21173048</a>	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	\$100,000	Montgomery	44	21
<a href="#">SX21173062</a>	Montgomery County Sanitation District No. 2 Combo Vac Truck Proj	3-5 Years	Not Funded	\$100,000	Montgomery	45	22
<a href="#">SX21175009</a>	City of West Liberty Jet Rodding Truck Equipment Purchase Project	3-5 Years	Not Funded	\$85,168	Morgan	46	5
<a href="#">SX21173056</a>	Mt. Sterling Water & Sewer System Mapping Project	3-5 Years	Not Funded	\$225,000	Montgomery	47	23
<a href="#">SX21173059</a>	Mt. Sterling Water & Sewer Combo Vac Truck Project	3-5 Years	Not Funded	\$240,000	Montgomery	48	24
<a href="#">SX21205031</a>	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	\$250,000	Rowan	49	6
<a href="#">SX21165014</a>	Menifee County Sanitation District System Improvement Project Phase 2	3-5 Years	Not Funded	\$100,000	Menifee	50	6
<b>Total Cost:</b>				<b>\$301,509,328</b>			

# Adair County

- 2010 census population of 18,656 (8,568 households) with 23% serviceable.
- Projected 2020 population of 20,052 (change of 1,396).
- Adair County has 43.01 miles of existing sewer lines.
- 2.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,671,500.
- There are no projects planned from 6 to 10 years.



Adair County has a 2010 census population count of 18,656 (8,568 households) with a projected 2020 population count of 20,052 (8,151 households). Public sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 29 serviceable households will be added through the construction of 2.00 miles of sewer line extensions and approximately 825 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Adair County Water District	7	\$8,671,500	29	825	2.00	13.00	
<b>Totals:</b>	<b>7</b>	<b>\$8,671,500</b>	<b>29</b>	<b>825</b>	<b>2.00</b>	<b>13.00</b>	

## Public Wastewater Systems in Adair County

Note: Serviceability counts are for households within Adair county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0024317</a>	Columbia/Adair Utilities District	Adair	4,647	1,970
		<b>Totals:</b>	4,647	1,970

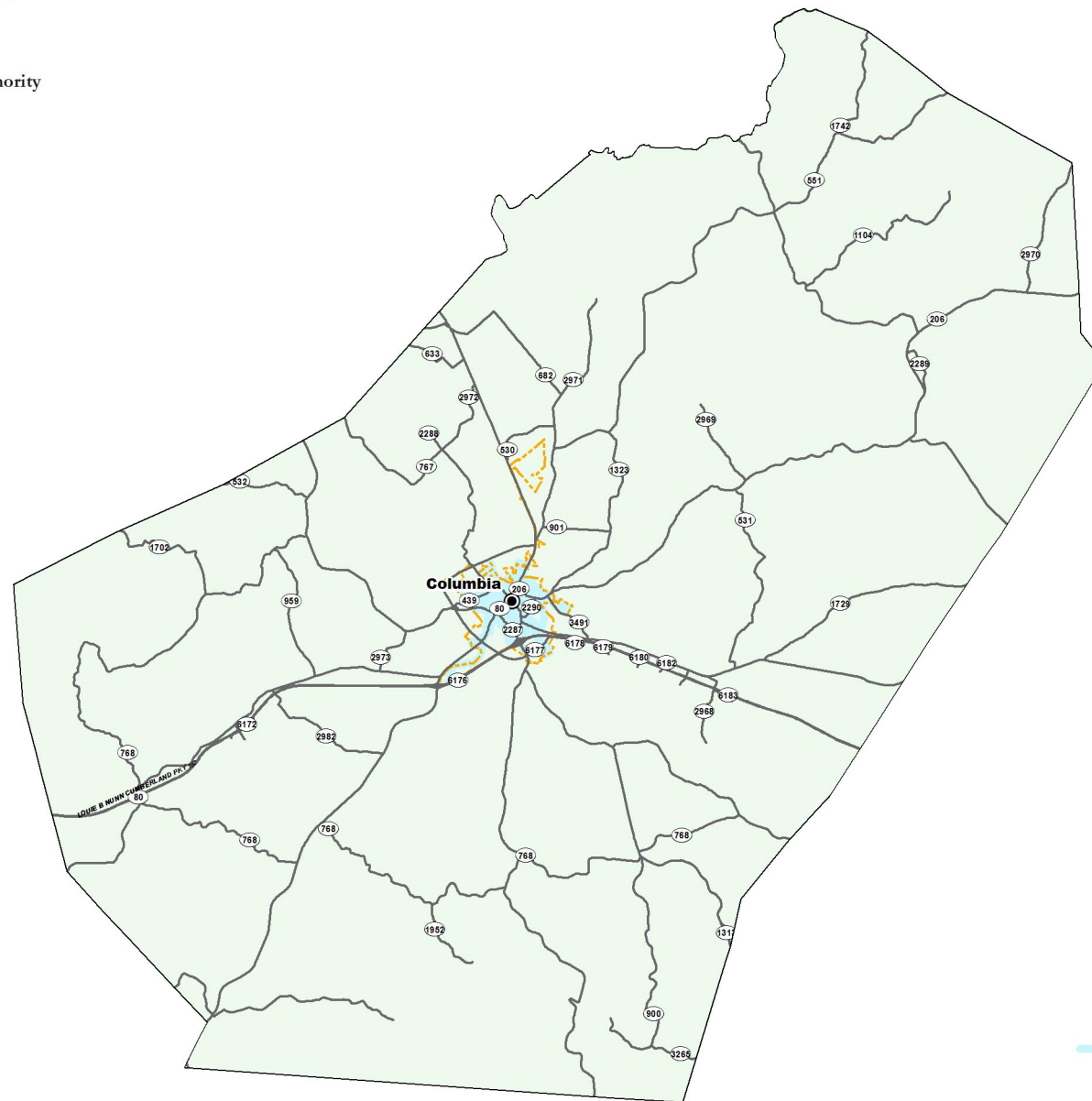
## SEWER SERVICE AREAS ADAIR COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**

COLUMBIA/ADAIR UTILITIES DISTRICT



## Adair County (continued)

### System Summary for Columbia/Adair Utilities District

Permit ID	<b>KY0024317</b>	Treats Wastewater	Yes, 1.2 MGD with 0.6 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,680
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$20.40	Total KISOP Treated (MG)	-
Residential Customers	1,295	Total Treated (MG)	113.709
Commercial Customers	385	Number of Manholes	547
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 43.01 miles (Collection: 43.01 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

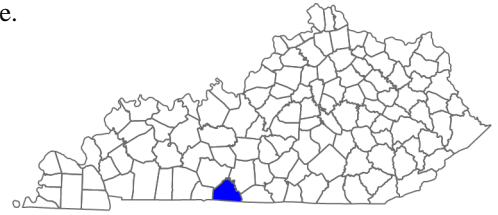
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Columbia/Adair Utilities District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21001005</b>	Downtown Sewer System Improvements - Phase 2	3-5 Years	Not Funded	\$2,027,500	Adair		
<b>SX21001004</b>	Downtown Sewer System Improvements - Phase 1	3-5 Years	Not Funded	\$1,930,000	Adair		
<b>SX21001014</b>	Downtown Sewer System Improvements - Phase 3	3-5 Years	Not Funded	\$1,545,000	Adair		
<b>SX21001001</b>	Columbia Adair WWTP Sludge Conditioning System	3-5 Years	Partially Funded	\$1,432,000	Adair		
<b>SX21001015</b>	Downtown Sewer System Improvements - Phase 4	3-5 Years	Not Funded	\$841,000	Adair		
<b>SX21001002</b>	Columbia Lift Station Development and Renovation	3-5 Years	Partially Funded	\$553,000	Adair		
<b>SX21001016</b>	HWY 55/Cane Valley Area Sewer System Extension	3-5 Years	Not Funded	\$343,000	Adair		

# Allen County

- 2010 census population of 19,956 (9,307 households) with 22% serviceable.
- Projected 2020 population of 22,366 (change of 2,410).
- Allen County has 35.50 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,286,000.
- Estimated funding needs for projects from 6 to 10 years: \$650,000.



Allen County has a 2010 census population count of 19,956 (9,307 households) with a projected 2020 population count of 22,366 (9,171 households). Public sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 155 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 4,254 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Scottsville	10	\$8,100,000	126	4,254	3.00	-	
Warren County Water District	1	\$836,000	29	-	2.00	-	
<b>Totals:</b>	<b>11</b>	<b>\$8,936,000</b>	<b>155</b>	<b>4,254</b>	<b>5.00</b>	<b>-</b>	

## Public Wastewater Systems in Allen County

Note: Serviceability counts are for households within Allen county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0024783</a>	Scottsville Municipal Water & Sewer Department	Allen	4,154	2,043
		<b>Totals:</b>	4,154	2,043

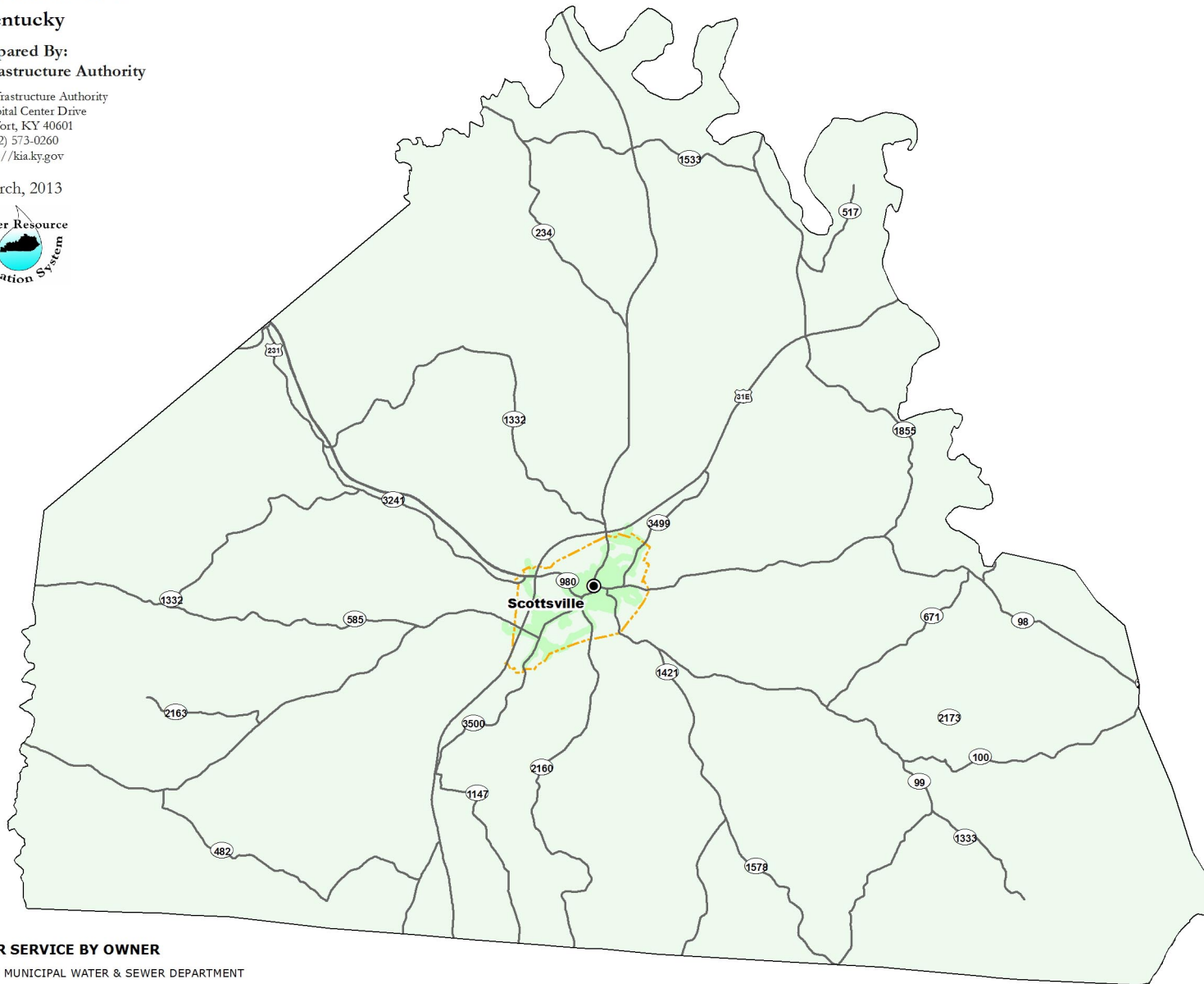
## SEWER SERVICE AREAS ALLEN COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

SCOTTSVILLE MUNICIPAL WATER & SEWER DEPARTMENT

## Allen County (continued)

### System Summary for Scottsville Municipal Water & Sewer Department

Permit ID	<b>KY0024783</b>	Treats Wastewater	Yes, 1.72 MGD with 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,813
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$12.60	Total KISOP Treated (MG)	-
Residential Customers	1,523	Total Treated (MG)	241.000
Commercial Customers	236	Number of Manholes	478
Institutional Customers	39	Number of Lift Stations	15
Industrial Customers	15	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 35.50 miles (Collection: 35.48 miles, Interceptors: 0.01 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

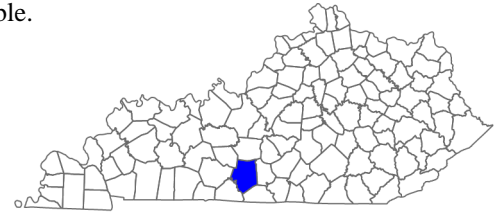
### Project Summary (Top 18 Approved, 0-5 years) for Scottsville Municipal Water & Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21003022</b>	City of Scottsville - Pump Station Replacement Project	3-5 Years	Not Funded	\$1,250,000	Allen	8	1
<b>SX21003036</b>	City of Scottsville - Inflow and Infiltration Project, Phase I	0-2 Years	Not Funded	\$400,000	Allen	16	2
<b>SX21003011</b>	City of Scottsville - South Court Street Sewer Rehab	3-5 Years	Not Funded	\$750,000	Allen	25	3
<b>SX21003018</b>	City of Scottsville - Pump Station Telemetry Project	6-10 Years	Not Funded	\$650,000	Allen	33	4
<b>SX21003024</b>	Scottsville - 231 Sewer Extension	0-2 Years	Not Funded	\$3,000,000	Allen	37	5
<b>SX21003023</b>	Scottsville - New Glasgow Rd Sewer Line	0-2 Years	Not Funded	\$750,000	Allen		
<b>SX21003021</b>	Scottsville - 980 & US231 Sewer Line Connection	0-2 Years	Not Funded	\$500,000	Allen		
<b>SX21003034</b>	City of Scottsville - Marcrum Lane Sewer Project	3-5 Years	Not Funded	\$500,000	Allen		
<b>SX21003035</b>	City of Scottsville - Cherokee Drive Sewerline Relocation Project	0-2 Years	Not Funded	\$200,000	Allen		
<b>SX21003031</b>	City of Scottsville Phosphorus Treatment Project	0-2 Years	Not Funded	\$100,000	Allen		



# Barren County

- 2010 census population of 42,173 (19,188 households) with 46% serviceable.
- Projected 2020 population of 46,361 (change of 4,188).
- Barren County has 189.97 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$27,973,000.
- There are no projects planned from 6 to 10 years.



Barren County has a 2010 census population count of 42,173 (19,188 households) with a projected 2020 population count of 46,361 (19,245 households). Public sewer is currently available to approximately 46 percent of the county's households based on 2010 census counts. Over the next ten years approximately 50 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 286 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	4	\$2,865,000	50	155	5.00	7.00	
Glasgow Water and Sewer Commission	10	\$25,108,000	-	131	-	3.00	
<b>Totals:</b>	<b>14</b>	<b>\$27,973,000</b>	<b>50</b>	<b>286</b>	<b>5.00</b>	<b>10.00</b>	

## Public Wastewater Systems in Barren County

Note: Serviceability counts are for households within Barren county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0021164</a>	Glasgow Water Company	Barren	15,072	7,237
<a href="#">KY0091561</a>	Caveland Environmental Authority	Hart	3,338	1,623
		<b>Totals:</b>	18,410	8,860

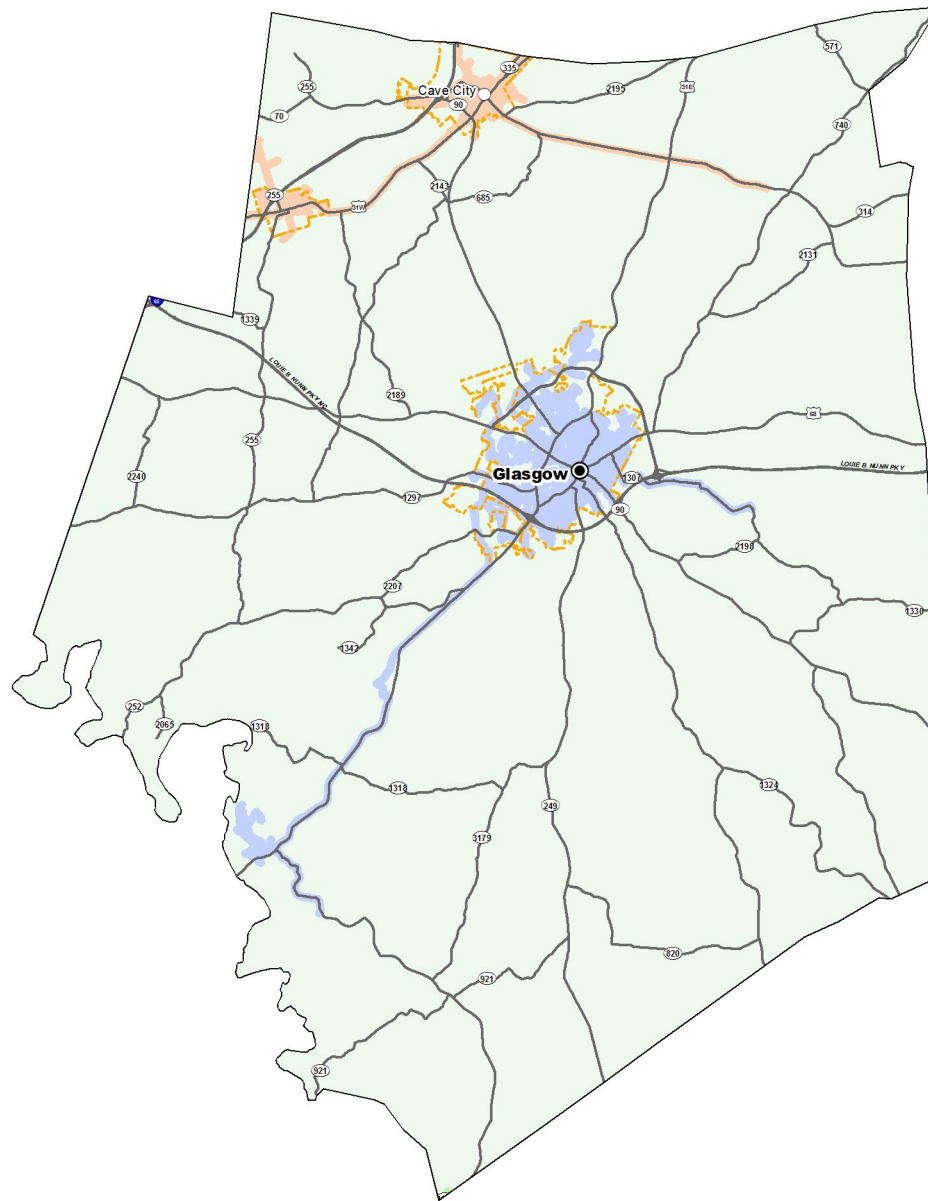
## SEWER SERVICE AREAS BARREN COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- CAVELAND ENVIRONMENTAL AUTHORITY
- FOUNTAIN RUN WATER DISTRICT #1
- GLASGOW WATER COMPANY

## Barren County (continued)

### System Summary for Glasgow Water Company

Permit ID	KY0021164	Treats Wastewater	Yes, 4 MGD with 1.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	9,854
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	44	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$19.05	Total KISOP Treated (MG)	-
Residential Customers	4,888	Total Treated (MG)	893.155
Commercial Customers	842	Number of Manholes	2905
Institutional Customers	-	Number of Lift Stations	37
Industrial Customers	60	Percent Lines 20 yrs or Older	55%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 145.09 miles (Collection: 143.89 miles, Interceptors: 1.20 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Glasgow Water Company

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21009018</a>	Glasgow Southside Interceptor and Old WWTP Retention	0-2 Years	Not Funded	\$5,500,000	Barren	1	1
<a href="#">SX21009048</a>	Glasgow WWTP Improvement - Upgrade Plant From 4Mgd to 6Mgd	3-5 Years	Not Funded	\$9,994,000	Barren		
<a href="#">SX21009040</a>	Glasgow - WWTP - Surge Basins Installation / Headworks Improvement	0-2 Years	Not Funded	\$2,430,000	Barren		
<a href="#">SX21009047</a>	Glasgow WWTP Improvement - Phase II Headworks and Sludge Dewatering	3-5 Years	Not Funded	\$2,104,000	Barren		
<a href="#">SX21009042</a>	Glasgow WWTP Improvement - Rehabilitate Secondary Clarifiers	0-2 Years	Not Funded	\$2,029,000	Barren		
<a href="#">SX21009041</a>	Glasgow WWTP Improvement - New Return Activated Sludge/Waste Sludge Pump Station	3-5 Years	Not Funded	\$1,115,000	Barren		
<a href="#">SX21009035</a>	Glasgow Trunkline to Sewer Plant - South	0-2 Years	Not Funded	\$770,000	Barren		
<a href="#">SX21009046</a>	Glasgow WWTP Improvement - Peak Storage	3-5 Years	Not Funded	\$636,000	Barren		
<a href="#">SX21009034</a>	Glasgow Wastewater Improvement - Gravity Sewer Gorin Park to East Brook Trailer Park	3-5 Years	Not Funded	\$500,000	Barren		
<a href="#">SX21009024</a>	Glasgow Wastewater Improvement - Gravity Sewer Line Shane Drive/Rogers Road	0-2 Years	Not Funded	\$425,000	Barren		
<a href="#">SX21009037</a>	Glasgow - Simental-Herford	0-2 Years	Not Funded	\$375,000	Barren		

# Bath County

- 2010 census population of 11,591 (5,405 households) with 32% serviceable.
- Projected 2020 population of 12,132 (change of 541).
- Bath County has 46.67 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,600,634.
- There are no projects planned from 6 to 10 years.



Bath County has a 2010 census population count of 11,591 (5,405 households) with a projected 2020 population count of 12,132 (5,006 households). Public sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 124 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 1,410 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bath County Sanitation District	2	\$530,000	50	130	2.00	-	
City of Owingsville	6	\$4,188,534	37	1,280	2.00	1.00	
City of Sharpsburg	1	\$882,100	37	-	2.00	-	
<b>Totals:</b>	<b>9</b>	<b>\$5,600,634</b>	<b>124</b>	<b>1,410</b>	<b>6.00</b>	<b>1.00</b>	

## Public Wastewater Systems in Bath County

Note: Serviceability counts are for households within Bath county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KIA011001</a>	Bath County Sanitation District	Bath	153	72
<a href="#">KY0024287</a>	Owingsville Water and Sewer	Bath	2,001	996
<a href="#">KY0088421</a>	Sharpsburg Sewer	Bath	387	226
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Rowan	853	439
		<b>Totals:</b>	3,394	1,733





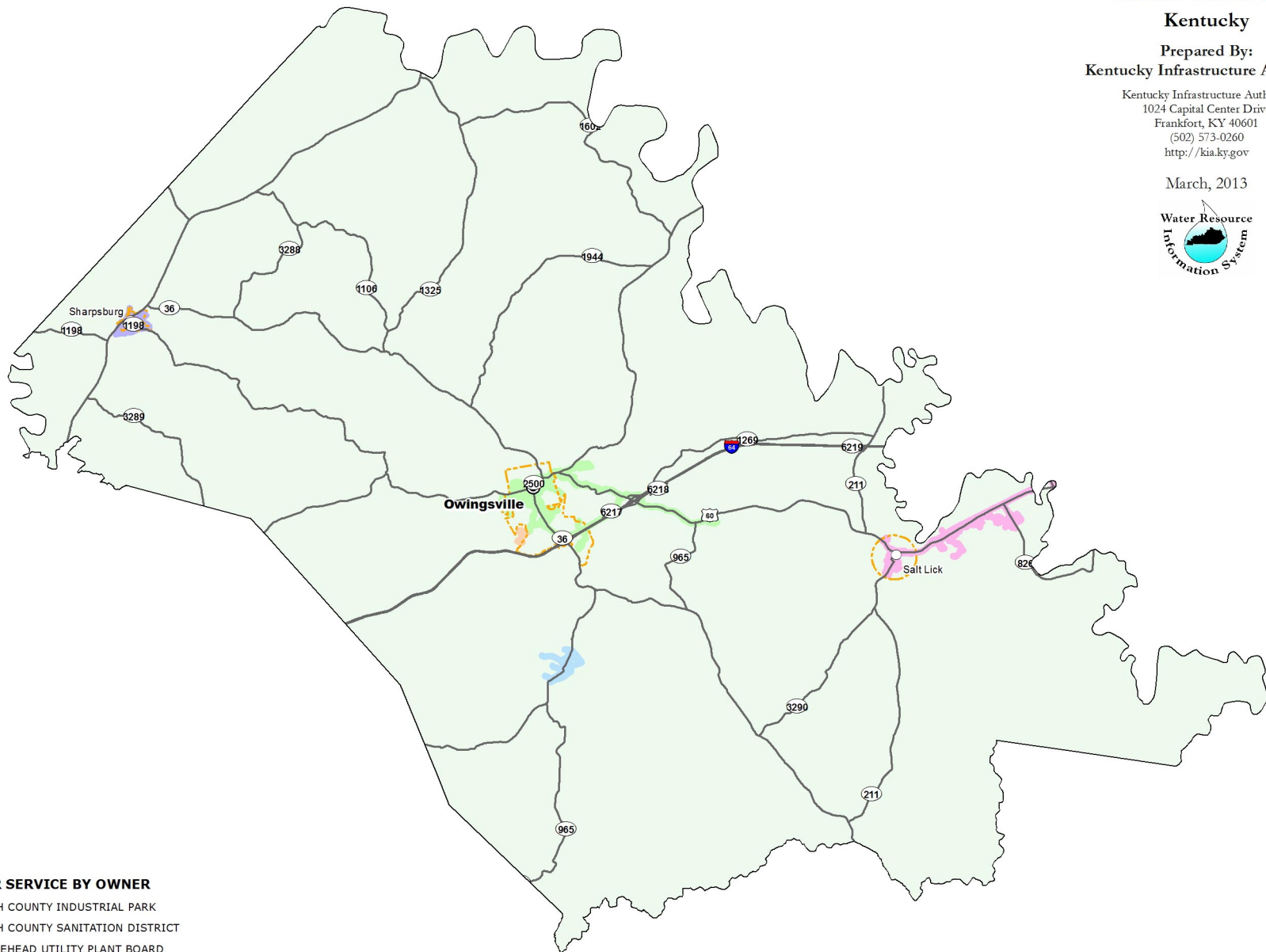
# SEWER SERVICE AREAS BATH COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- BATH COUNTY INDUSTRIAL PARK
- BATH COUNTY SANITATION DISTRICT
- MOREHEAD UTILITY PLANT BOARD
- OWINGSVILLE WATER AND SEWER
- SHARPSBURG SEWER

## Bath County (continued)

### System Summary for Bath County Sanitation District

Permit ID	<b>KIA011001</b>	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	84
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.00	Total KISOP Treated (MG)	-
Residential Customers	75	Total Treated (MG)	4.650
Commercial Customers	9	Number of Manholes	75
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 4.46 miles (Collection: 3.61 miles, Interceptors: 0.85 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Bath County Sanitation District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21011019</b>	Bath County Sanitation District Valve and Riser Lid Replacement	3-5 Years	Not Funded	\$60,000	Bath	11	3
<b>SX21011018</b>	Bath County Sanitation District Preston Sewer Project Phase II	3-5 Years	Not Funded	\$470,000	Bath	22	5

## Bath County (continued)

### System Summary for Owingsville Water and Sewer

Permit ID	<a href="#">KY0024287</a>	Treats Wastewater	Yes, 0.22 MGD with 0.16 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	737
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.78	Total KISOP Treated (MG)	-
Residential Customers	641	Total Treated (MG)	61.328
Commercial Customers	79	Number of Manholes	160
Institutional Customers	14	Number of Lift Stations	22
Industrial Customers	3	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 23.19 miles (Collection: 20.80 miles, Interceptors: 2.39 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Owingsville Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21011002</a>	City of Owingsville Lagoon System Cleaning Project	3-5 Years	Not Funded	\$700,000	Bath	7	2
<a href="#">SX21011016</a>	City of Owingsville Slate Avenue Pipe Bursting Project	3-5 Years	Not Funded	\$590,000	Bath	19	4
<a href="#">SX21011015</a>	City of Owingsville Wyoming Road Sewer Line Extension	3-5 Years	Not Funded	\$225,000	Bath	24	6
<a href="#">SX21011020</a>	City of Owingsville Sewer Extension to Remaining Unserved In Cit	3-5 Years	Not Funded	\$100,000	Bath	25	7
<a href="#">SX21011017</a>	City of Owingsville KY 36 North Sewer Extension	3-5 Years	Not Funded	\$563,284	Bath	29	9

## Bath County (continued)

### System Summary for Sharpsburg Sewer

Permit ID	<a href="#">KY0088421</a>	Treats Wastewater	Yes, 0.07 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	179
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$28.82	Total KISOP Treated (MG)	-
Residential Customers	170	Total Treated (MG)	12.770
Commercial Customers	9	Number of Manholes	110
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 4.23 miles (Collection: 3.52 miles, Interceptors: 0.71 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Sharpsburg Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21011007</a>	City of Sharpsburg Oaklawn Line Extension Project	3-5 Years	Not Funded	\$882,100	Bath	27	8



# Bell County

- 2010 census population of 28,691 (13,154 households) with 48% serviceable.
- Projected 2020 population of 27,648 (change of -1,043).
- Bell County has 90.89 miles of existing sewer lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- 3.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$14,174,485.
- Estimated funding needs for projects from 6 to 10 years: \$4,068,400.



Bell County has a 2010 census population count of 28,691 (13,154 households) with a projected 2020 population count of 27,648 (11,714 households). Public sewer is currently available to approximately 48 percent of the county's households based on 2010 census counts. Over the next ten years approximately 363 serviceable households will be added through the construction of 22.00 miles of sewer line extensions and approximately 490 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances. 3.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Bell County Fiscal Court	2	\$8,294,000	214	210	16.00	-	
City of Middlesboro	2	\$3,647,000	32	200	1.00	9.00	
City of Pineville	5	\$6,301,885	117	80	5.00	1.00	
<b>Totals:</b>	<b>9</b>	<b>\$18,242,885</b>	<b>363</b>	<b>490</b>	<b>22.00</b>	<b>10.00</b>	

## Public Wastewater Systems in Bell County

Note: Serviceability counts are for households within Bell county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0072885</a>	City of Middlesboro	Bell	10,364	4,971
<a href="#">KY0024058</a>	Pineville Utility Commission	Bell	3,106	1,329
		<b>Totals:</b>	13,470	6,300

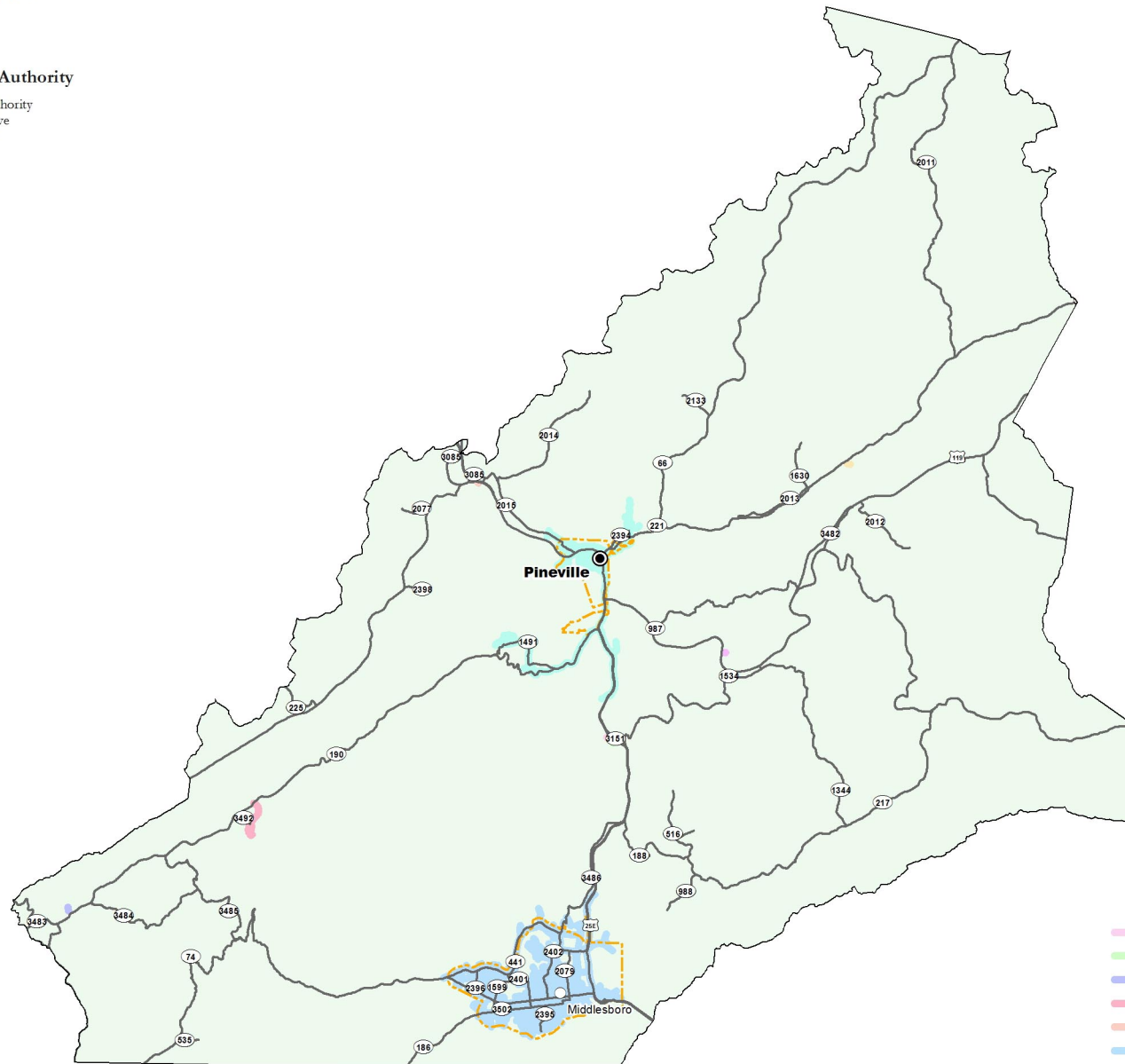
# SEWER SERVICE AREAS BELL COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
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March, 2013



## SEWER SERVICE BY OWNER

- BRITTHAVEN OF PINEVILLE
- FERNDAL APARTMENTS INC
- FRAKES SCHOOL CENTER
- KCC BELL COUNTY FOREST CAMP
- LONE JACK SCHOOL CENTER
- MIDDLESBORO STP
- PAGE SCHOOL CENTER
- PINEVILLE STP
- RIGHT FORK SCHOOL CENTER

## Bell County (continued)

### System Summary for City of Middlesboro

Permit ID	<b>KY0072885</b>	Treats Wastewater	Yes, 3.6 MGD with 3.6 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,055
Owner Type	Incorporated City	KISOP Sender	No
Employees	11	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$12.92	Total KISOP Treated (MG)	-
Residential Customers	4,447	Total Treated (MG)	2.830
Commercial Customers	608	Number of Manholes	5055
Institutional Customers	-	Number of Lift Stations	25
Industrial Customers	5	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 63.74 miles (Collection: 63.64 miles, Interceptors: 0.10 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Middlesboro

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21013148</b>	Middlesboro: Noetown Sewer Rehab/Binghamtown PS Rehab	0-2 Years	Partially Funded	\$2,550,000	Bell		
<b>SX21013142</b>	Middlesboro - "y" Road Sewer Extension/Whitmer Industrial Park	3-5 Years	Not Funded	\$1,097,000	Bell		

## Bell County (continued)

### System Summary for Pineville Utility Commission

Permit ID	<b>KY0024058</b>	Treats Wastewater	Yes, 0.72 MGD with 0.72 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	858
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	22	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.06	Total KISOP Treated (MG)	-
Residential Customers	727	Total Treated (MG)	219,000
Commercial Customers	131	Number of Manholes	300
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 25.15 miles (Collection: 24.97 miles, Interceptors: 0.18 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Pineville Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21013151</b>	Pineville: Virginia Avenue Utility Replacement	0-2 Years	Partially Funded	\$2,233,485	Bell	1	1
<b>SX21013144</b>	Pineville - PMRIDA Sewer Ext to Industrial Park	0-2 Years	Partially Funded	\$4,994,000	Bell	12	3
<b>SX21103156</b>	US 119 Sewer Line Extension	3-5 Years	Not Funded	\$3,300,000	Bell		
<b>SX21013145</b>	Pineville: Ferndale Sewerline Extension	6-10 Years	Not Funded	\$1,500,000	Bell		
<b>SX21013029</b>	Turkey Creek Sewer Extension	6-10 Years	Not Funded	\$1,000,000	Bell		
<b>SX21013150</b>	Pineville: Paula Drive Sewer Extension	6-10 Years	Not Funded	\$950,000	Bell		
<b>SX21013002</b>	Jackson Drive (25E) Sewer Extension	6-10 Years	Not Funded	\$618,400	Bell		

# Boyd County

- 2010 census population of 49,542 (21,803 households) with 81% serviceable.
- Projected 2020 population of 49,446 (change of -96).
- Boyd County has 301.74 miles of existing sewer lines.
- 35.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$29,420,750.
- There are no projects planned from 6 to 10 years.



Boyd County has a 2010 census population count of 49,542 (21,803 households) with a projected 2020 population count of 49,446 (20,040 households). Public sewer is currently available to approximately 81 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,169 serviceable households will be added through the construction of 35.00 miles of sewer line extensions and approximately 7,124 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Boyd County Sanitation District #2	2	\$3,273,000	-	1,537	1.00	-	
Boyd County Sanitation District #4	13	\$22,226,000	1,169	25	34.00	1.00	
City of Ashland	1	\$400,000	-	3,000	-	1.00	
City of Catlettsburg	4	\$3,521,750	-	2,562	-	-	
<b>Totals:</b>	<b>20</b>	<b>\$29,420,750</b>	<b>1,169</b>	<b>7,124</b>	<b>35.00</b>	<b>2.00</b>	

## Public Wastewater Systems in Boyd County

Note: Serviceability counts are for households within Boyd county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0022373</a>	Ashland Sewer Department	Boyd	21,648	10,527
<a href="#">KYP000035</a>	Boyd County Sanitation District #2	Boyd	4,133	1,840
<a href="#">KYP000044</a>	Boyd County Sanitation District #4	Boyd	10,708	4,112
<a href="#">KY0035467</a>	Catlettsburg Sewer Department	Boyd	2,283	1,075
<a href="#">KYP000040</a>	Boyd & Greenup County Sanitation District #1	Greenup	90	43
		<b>Totals:</b>	<b>38,862</b>	<b>17,597</b>



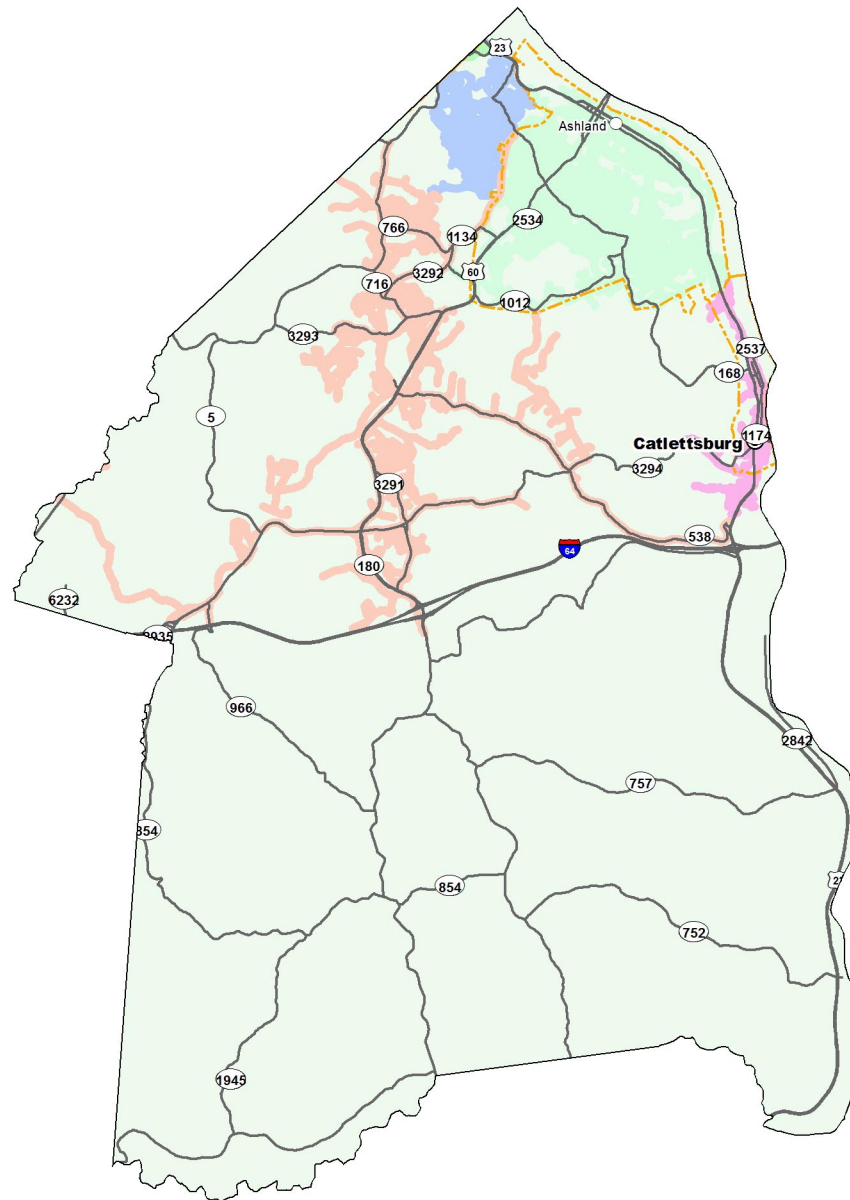
# SEWER SERVICE AREAS BOYD COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

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March, 2013



## SEWER SERVICE BY OWNER

- ASHLAND SEWER DEPARTMENT
- BOYD & GREENUP COUNTY SANITATION DISTRICT #1
- BOYD COUNTY SANITATION DISTRICT #2
- BOYD COUNTY SANITATION DISTRICT #4
- CATLETTSBURG SEWER DEPARTMENT

## Boyd County (continued)

### System Summary for Ashland Sewer Department

Permit ID	<b>KY0022373</b>	Treats Wastewater	Yes, 11 MGD with 6.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	9,135
Owner Type	Incorporated City	KISOP Sender	No
Employees	12	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$19.94	Total KISOP Treated (MG)	356.464
Residential Customers	7,784	Total Treated (MG)	370.964
Commercial Customers	1,343	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	17
Industrial Customers	8	Percent Lines 20 yrs or Older	0%
KISOP Customers	2	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 139.57 miles (Collection: 132.79 miles, Interceptors: 6.77 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Ashland Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21019074</b>	Ashland: Replace 39th Street Trunk Sewer	0-2 Years	Not Funded	\$400,000	Boyd		

## Boyd County (continued)

### System Summary for Boyd County Sanitation District #2

Permit ID	KYP000035	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,515
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	106.301
Cost Per 4000 Gallons	\$30.07	Total KISOP Treated (MG)	-
Residential Customers	1,484	Total Treated (MG)	-
Commercial Customers	22	Number of Manholes	881
Institutional Customers	5	Number of Lift Stations	13
Industrial Customers	3	Percent Lines 20 yrs or Older	45%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 35.13 miles (Collection: 34.67 miles, Interceptors: 0.46 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Boyd County Sanitation District #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21019062</a>	Sd2: System-Wide Inflow and Infiltration Abatement Project	0-2 Years	Partially Funded	\$2,173,000	Boyd	10	4
<a href="#">SX21019063</a>	SD2: Ferguson Street Sewer Extension	3-5 Years	Not Funded	\$1,100,000	Boyd		
<a href="#">SX21089026</a>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		

## Boyd County (continued)

### System Summary for Boyd County Sanitation District #4

Permit ID	KYP000044	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	3,988
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	356.464
Cost Per 4000 Gallons	\$37.20	Total KISOP Treated (MG)	-
Residential Customers	3,914	Total Treated (MG)	-
Commercial Customers	63	Number of Manholes	1300
Institutional Customers	11	Number of Lift Stations	35
Industrial Customers	-	Percent Lines 20 yrs or Older	10%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 111.32 miles (Collection: 105.80 miles, Interceptors: 5.52 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Boyd County Sanitation District #4

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21019077</a>	SD4: Rehab Ray Drive Sewer Line	3-5 Years	Not Funded	\$312,000	Boyd	5	3
<a href="#">SX21019013</a>	Boyd County SD4: Rt5 Area Sewers	3-5 Years	Partially Funded	\$4,730,000	Boyd	8	2
<a href="#">SX21019031</a>	BCFC: Phase IV Johnson Fork, Catletts Creek, and Twin Fork	0-2 Years	Not Funded	\$3,350,000	Boyd		
<a href="#">SX21019070</a>	SD4: Phase 2 Rt 5 Area Sewer Extension	0-2 Years	Not Funded	\$2,157,000	Boyd		
<a href="#">SX21019068</a>	SD4: North Big Run Project	0-2 Years	Not Funded	\$2,000,000	Boyd		
<a href="#">SX21019053</a>	SD4: Systemwide Pump Station Maintenance	0-2 Years	Not Funded	\$950,000	Boyd		
<a href="#">SX21019071</a>	SD4: Molsberger Road Sewer Line	0-2 Years	Not Funded	\$325,000	Boyd		
<a href="#">SX21019072</a>	SD4: Southland Drive Area Sewer Extension	0-2 Years	Not Funded	\$242,000	Boyd		

## Boyd County (continued)

### System Summary for Boyd County Sanitation District #4 FC

Permit ID	KYP000049	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$40.00	Total KISOP Treated (MG)	-
Residential Customers	1,800	Total Treated (MG)	-
Commercial Customers	137	Number of Manholes	1500
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	2	Percent Lines 20 yrs or Older	2%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Boyd County Sanitation District #4 FC

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21019021</a>	BCFC: Phase IV Tarpin Ridge, Alley Branch, Collings Branch	3-5 Years	Not Funded	\$3,300,000	Boyd		
<a href="#">SX21019026</a>	BCFC: Phase IV Sr5 From New Buckley Rd to Paradise Rd	3-5 Years	Not Funded	\$3,000,000	Boyd		
<a href="#">SX21019015</a>	BCFC: Pigeon Roost Area Sewer Project	3-5 Years	Not Funded	\$1,200,000	Boyd		
<a href="#">SX21019022</a>	BCFC: Phase IV SR 5 Princess Area	3-5 Years	Not Funded	\$400,000	Boyd		
<a href="#">SX21019028</a>	BCFC: Phase IV Rockhouse Rock Extension Into Greenup County	3-5 Years	Not Funded	\$260,000	Boyd		

## Boyd County (continued)

### System Summary for Catlettsburg Sewer Department

Permit ID	<a href="#">KY0035467</a>	Treats Wastewater	Yes, 0.5 MGD with 0.36 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,243
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$30.67	Total KISOP Treated (MG)	-
Residential Customers	1,218	Total Treated (MG)	164.250
Commercial Customers	25	Number of Manholes	600
Institutional Customers	-	Number of Lift Stations	12
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 45% Constructed
Total Collection System Line Length = 19.04 miles (Collection: 16.24 miles, Interceptors: 2.80 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Catlettsburg Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21019061</a>	Catlettsburg: Rehab Clarifiers at Wastewater Treatment Plant	0-2 Years	Not Funded	\$462,000	Boyd	1	1
<a href="#">SX21019075</a>	Catlettsburg: Add new Clarifier to the WWTP & Rehab Existing Clarifiers	0-2 Years	Not Funded	\$2,700,000	Boyd		
<a href="#">SX21019064</a>	Catlettsburg: Grit Chamber Rehab/Replacement	0-2 Years	Not Funded	\$300,000	Boyd		
<a href="#">SX21019076</a>	Catlettsburg: Manhole and Pump Station Rehab	0-2 Years	Not Funded	\$59,750	Boyd		



# Breathitt County

- 2010 census population of 13,878 (6,231 households) with 23% serviceable.
- Projected 2020 population of 12,495 (change of -1,383).
- Breathitt County has 26.71 miles of existing sewer lines.
- 33.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,788,150.
- Estimated funding needs for projects from 6 to 10 years: \$8,518,000.



Breathitt County has a 2010 census population count of 13,878 (6,231 households) with a projected 2020 population count of 12,495 (5,046 households). Public sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 637 serviceable households will be added through the construction of 33.00 miles of sewer line extensions and approximately 13 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Jackson	5	\$9,725,500	582	13	30.00	-	
Troublesome Creek Environmental Authority	1	\$4,580,650	55	-	3.00	-	
<b>Totals:</b>	<b>6</b>	<b>\$14,306,150</b>	<b>637</b>	<b>13</b>	<b>33.00</b>	<b>-</b>	

## Public Wastewater Systems in Breathitt County

Note: Serviceability counts are for households within Breathitt county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0021288</a>	Jackson Wastewater	Breathitt	2,960	1,401
		<b>Totals:</b>	2,960	1,401



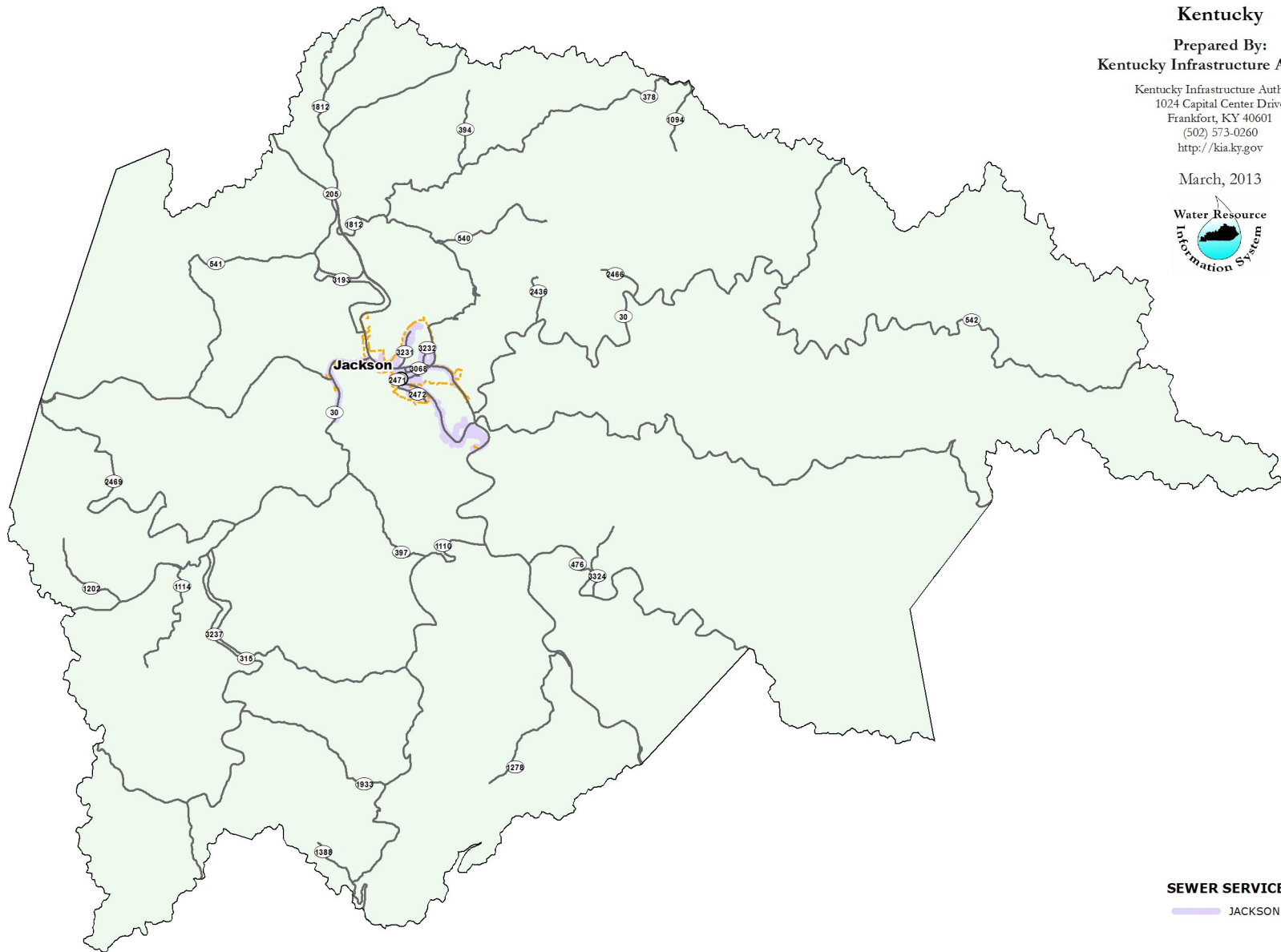
# SEWER SERVICE AREAS BREATHITT COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**

JACKSON WASTEWATER

## Breathitt County (continued)

### System Summary for Jackson Wastewater

Permit ID	<b>KY0021288</b>	Treats Wastewater	Yes, 0.75 MGD with 0.395 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,281
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$36.28	Total KISOP Treated (MG)	-
Residential Customers	1,189	Total Treated (MG)	144.352
Commercial Customers	92	Number of Manholes	489
Institutional Customers	-	Number of Lift Stations	26
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 26.65 miles (Collection: 26.11 miles, Interceptors: 0.54 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Jackson Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21025007</b>	Wal-Mart Area Sewer Project	3-5 Years	Not Funded	\$510,000	Breathitt	1	1
<b>SX21025003</b>	Wolverine Sewer Extensions	3-5 Years	Not Funded	\$697,500	Breathitt	14	2
<b>SX21025001</b>	Jackson - Lick Br/Panbowl/Hwy 15N Sewer Extensions	6-10 Years	Not Funded	\$3,400,000	Breathitt	15	3
<b>SX21025005</b>	Jackson - Hwy 30 East Sewer Extensions	6-10 Years	Not Funded	\$3,168,000	Breathitt		4
<b>SX21025004</b>	Jackson - Colts Fork/Miller Fork/KY 52 Sewer Extensions	6-10 Years	Not Funded	\$1,950,000	Breathitt		5

## Breathitt County (continued)

### System Summary for Perry County Sanitation District #1

Permit ID	<b>KY0107786</b>	Treats Wastewater	Yes, 0.112 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.20	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	130
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 3% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Perry County Sanitation District #1**

# Carter County

- 2010 census population of 27,720 (12,311 households) with 23% serviceable.
- Projected 2020 population of 28,459 (change of 739).
- Carter County has 54.29 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,055,033.
- There are no projects planned from 6 to 10 years.



Carter County has a 2010 census population count of 27,720 (12,311 households) with a projected 2020 population count of 28,459 (11,508 households). Public sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 536 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 1,525 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Boyd County Sanitation District #4	1	\$1,200,000	33	-	1.00	-	
City of Olive Hill	4	\$1,739,775	35	30	-	3.00	
Grayson Utility Commission	7	\$5,115,258	468	1,495	8.00	1.00	
<b>Totals:</b>	<b>12</b>	<b>\$8,055,033</b>	<b>536</b>	<b>1,525</b>	<b>9.00</b>	<b>4.00</b>	

## Public Wastewater Systems in Carter County

Note: Serviceability counts are for households within Carter county only.

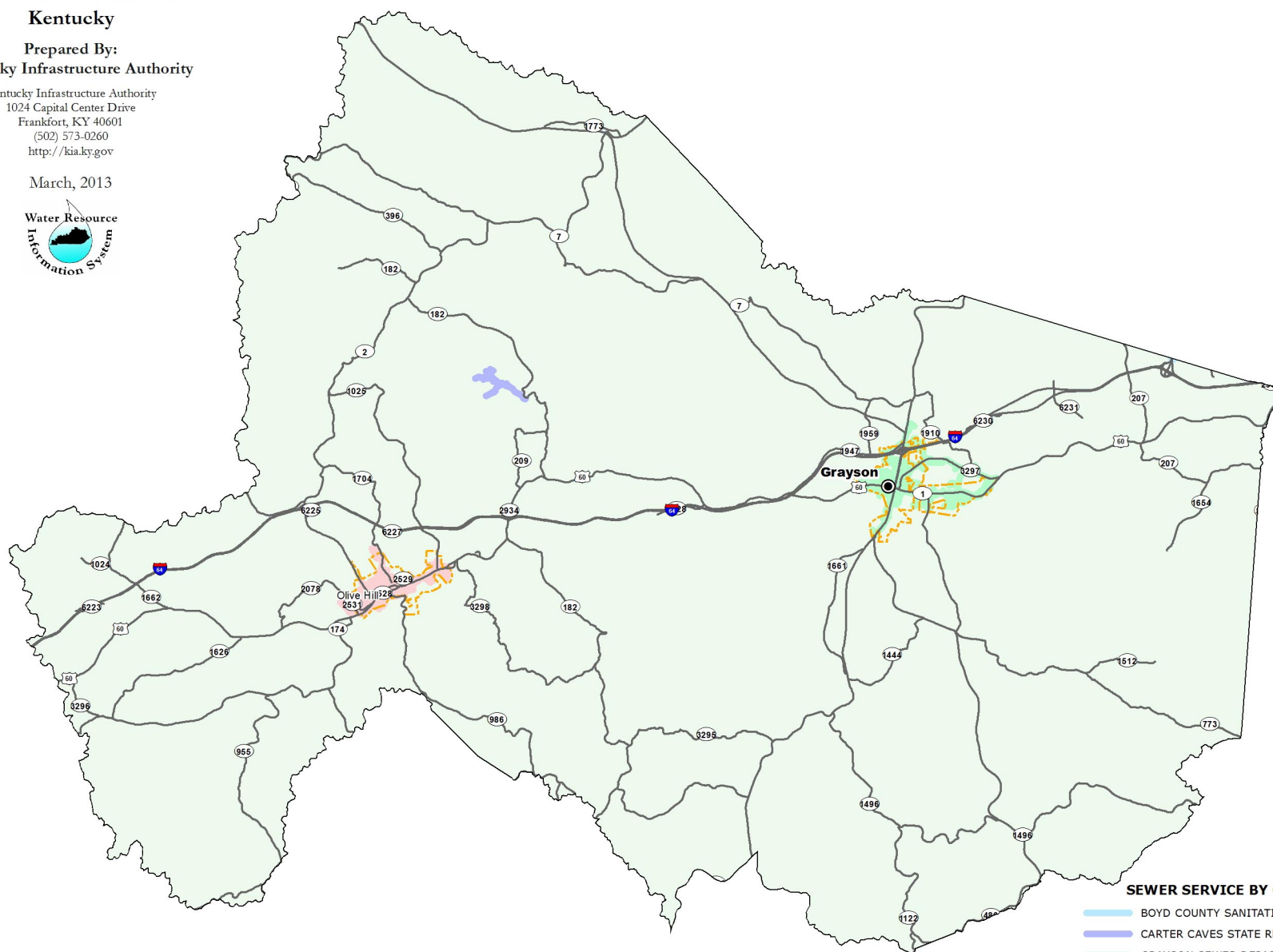
KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020931</a>	Grayson Sewer Department	Carter	4,637	1,957
<a href="#">KY0025925</a>	Olive Hill Sewer Department	Carter	1,837	903
		<b>Totals:</b>	6,474	2,860

## Kentucky

Prepared By:  
Kentucky Infrastructure Authority

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March, 2013



**SEWER SERVICE BY OWNER**

BOYD COUNTY SANITATION DISTRICT #4

CARTER CAVES STATE RESORT PARK

GRAYSON SEWER DEPARTMENT

OLIVE HILL SEWER DEPARTMENT



## Carter County (continued)

### System Summary for Grayson Sewer Department

Permit ID	<b>KY0020931</b>	Treats Wastewater	Yes, 0.99 MGD with 0.64 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,494
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.95	Total KISOP Treated (MG)	-
Residential Customers	740	Total Treated (MG)	348.167
Commercial Customers	754	Number of Manholes	350
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 60% Constructed
Total Collection System Line Length = 29.86 miles (Collection: 28.93 miles, Interceptors: 0.94 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Grayson Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21043030</b>	Grayson: Rolling Hills Subdivision Sewer Extension	0-2 Years	Not Funded	\$1,200,000	Carter	12	2
<b>SX21043003</b>	Grayson: Rt 7 to Landsdowne Subdivision	3-5 Years	Not Funded	\$765,000	Carter	13	4
<b>SX21043006</b>	Grayson: Valleyview Subdivision	0-2 Years	Not Funded	\$775,000	Carter		
<b>SX21043007</b>	Grayson: KY 1947 to Hidden Subdivision & Corral Park	0-2 Years	Not Funded	\$775,000	Carter		
<b>SX21043004</b>	Grayson: US 60 West to Sunset Hills	0-2 Years	Not Funded	\$765,000	Carter		
<b>SX21043033</b>	Grayson: Rupert Lane Sewer Extension and Storm Water Abatement Project	0-2 Years	Not Funded	\$685,258	Carter		
<b>SX21043024</b>	Grayson: Route 1 Sewer Project	0-2 Years	Not Funded	\$150,000	Carter		

## Carter County (continued)

### System Summary for Olive Hill Sewer Department

Permit ID	<b>KY0025925</b>	Treats Wastewater	Yes, 3.5 MGD with 0.23 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	862
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$30.00	Total KISOP Treated (MG)	-
Residential Customers	689	Total Treated (MG)	97.820
Commercial Customers	173	Number of Manholes	300
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 21.28 miles (Collection: 20.30 miles, Interceptors: 0.98 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Olive Hill Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21043019</b>	Olive Hill: Smokey Valley Sewer Line Extension	3-5 Years	Not Funded	\$525,000	Carter	4	1
<b>SX21043017</b>	Olive Hill: Rehab of City Lines to Replace Clay Pipe	3-5 Years	Not Funded	\$831,775	Carter	9	3
<b>SX21043018</b>	Olive Hill: Woodland Subdivision Sewer Project	3-5 Years	Not Funded	\$315,000	Carter	14	5
<b>SX21043015</b>	Olive Hill: Sparks Avenue Project	3-5 Years	Not Funded	\$68,000	Carter		

# Casey County

- 2010 census population of 15,955 (7,487 households) with 14% serviceable.
- Projected 2020 population of 16,433 (change of 478).
- Casey County has 29.50 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,156,000.
- Estimated funding needs for projects from 6 to 10 years: \$553,000.



Casey County has a 2010 census population count of 15,955 (7,487 households) with a projected 2020 population count of 16,433 (6,791 households). Public sewer is currently available to approximately 14 percent of the county's households based on 2010 census counts. Over the next ten years approximately 23 serviceable households will be added through the construction of 1.00 miles of sewer line extensions and approximately 615 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Liberty	2	\$4,709,000	23	615	1.00	-	
<b>Totals:</b>	<b>2</b>	<b>\$4,709,000</b>	<b>23</b>	<b>615</b>	<b>1.00</b>	<b>-</b>	

## Public Wastewater Systems in Casey County

Note: Serviceability counts are for households within Casey county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0026352</a>	Liberty Water & Gas	Casey	2,050	1,055
		<b>Totals:</b>	2,050	1,055

## SEWER SERVICE AREAS CASEY COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**

 LIBERTY WATER & GAS

## Casey County (continued)

### System Summary for Liberty Water & Gas

Permit ID	<a href="#">KY0026352</a>	Treats Wastewater	Yes, 0.64 MGD with 0.51 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	805
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.90	Total KISOP Treated (MG)	-
Residential Customers	615	Total Treated (MG)	186.114
Commercial Customers	189	Number of Manholes	100
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 29.50 miles (Collection: 29.50 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Liberty Water & Gas

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21045002</a>	Liberty Wastewater Treatment Plant Upgrade and Improvements	3-5 Years	Not Funded	\$4,156,000	Casey		
<a href="#">SX21045005</a>	Liberty – North US 127 Collector Sewer Project	6-10 Years	Partially Funded	\$553,000	Casey		

# Clark County

- 2010 census population of 35,613 (15,706 households) with 71% serviceable.
- Projected 2020 population of 37,985 (change of 2,372).
- Clark County has 159.92 miles of existing sewer lines.
- 13.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$9,635,000.
- Estimated funding needs for projects from 6 to 10 years: \$24,953,250.



Clark County has a 2010 census population count of 35,613 (15,706 households) with a projected 2020 population count of 37,985 (15,800 households). Public sewer is currently available to approximately 71 percent of the county's households based on 2010 census counts. Over the next ten years approximately 132 serviceable households will be added through the construction of 13.00 miles of sewer line extensions and approximately 5,886 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances. 14.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Winchester Municipal Utilities Commission	10	\$34,588,250	132	5,886	13.00	2.00	
<b>Totals:</b>	<b>10</b>	<b>\$34,588,250</b>	<b>132</b>	<b>5,886</b>	<b>13.00</b>	<b>2.00</b>	

## Public Wastewater Systems in Clark County

Note: Serviceability counts are for households within Clark county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0037991</a>	Winchester Municipal Utilities	Clark	25,141	11,106
		<b>Totals:</b>	25,141	11,106



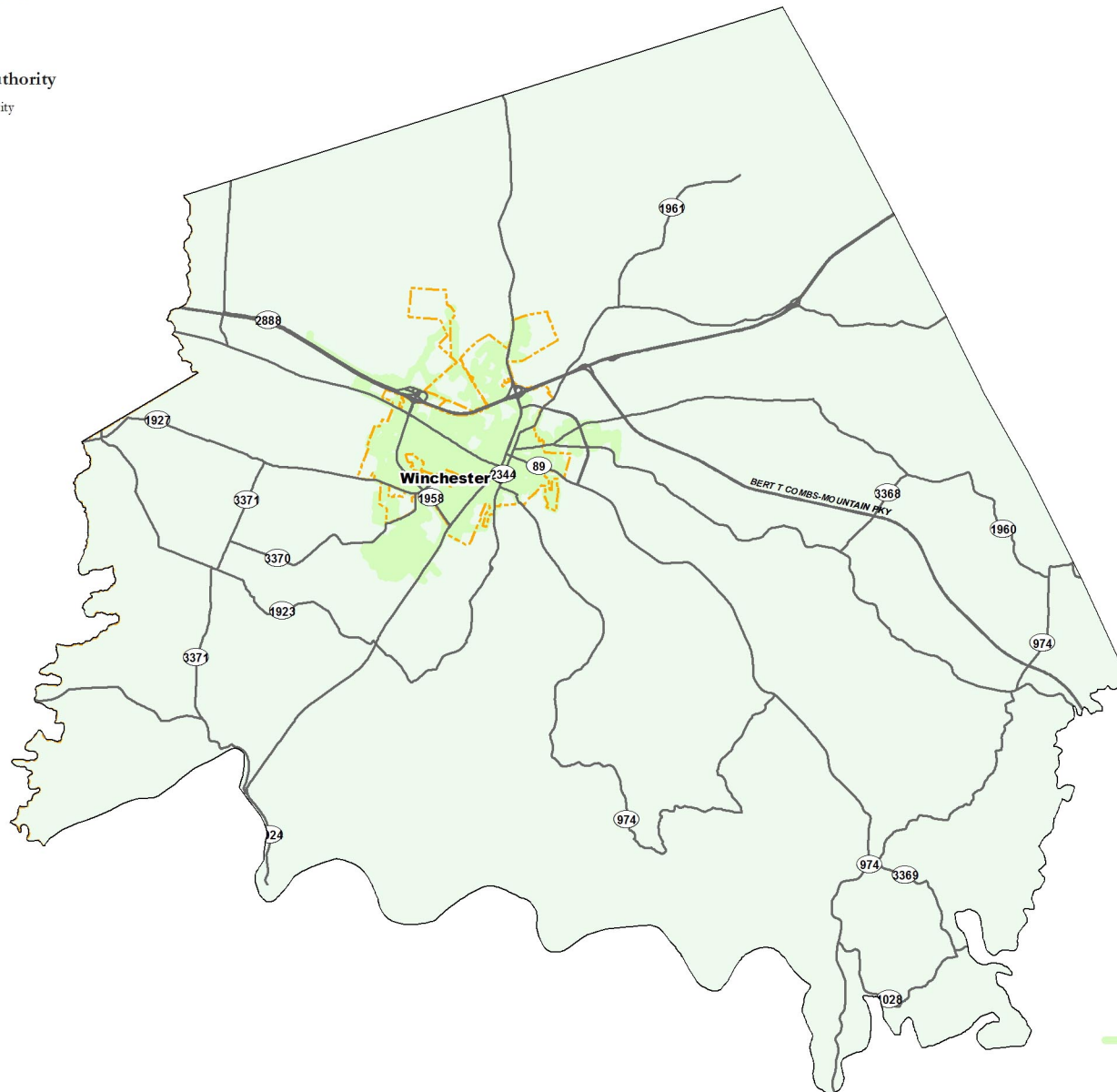
# SEWER SERVICE AREAS CLARK COUNTY

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March, 2013



**SEWER SERVICE BY OWNER**  
WINCHESTER MUNICIPAL UTILITIES

## Clark County (continued)

### System Summary for Verna Hills Subdivision

Permit ID	<a href="#">KY0042757</a>	Treats Wastewater	Yes, 0.065 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Private Non-Profit	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.04 miles (Collection: 0.04 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Verna Hills Subdivision**

## Clark County (continued)

### System Summary for Winchester Municipal Utilities

Permit ID	<b>KY0108740</b>	Treats Wastewater	Yes, 2 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$33.71	Total KISOP Treated (MG)	-
Residential Customers	16,631	Total Treated (MG)	-
Commercial Customers	794	Number of Manholes	3800
Institutional Customers	54	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 65% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Winchester Municipal Utilities**

## Clark County (continued)

### System Summary for Winchester Municipal Utilities

Permit ID	<b>KY0037991</b>	Treats Wastewater	Yes, 7.2 MGD with 3.4 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,483
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	75	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$33.71	Total KISOP Treated (MG)	-
Residential Customers	10,635	Total Treated (MG)	1,400,000
Commercial Customers	794	Number of Manholes	3500
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	54	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 65% Constructed
Total Collection System Line Length = 159.50 miles (Collection: 139.42 miles, Interceptors: 20.08 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Winchester Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21049028</b>	Hampton Manor Outfall Sewer	0-2 Years	Not Funded	\$1,404,000	Clark	6	6
<b>SX21049037</b>	Maple Street Storm and Sanitary Sewer Rehabilitation	0-2 Years	Not Funded	\$926,000	Clark	14	2
<b>SX21049027</b>	West Interceptor Sanitary Sewer System Rehabilitation	6-10 Years	Not Funded	\$7,730,000	Clark		
<b>SX21049011</b>	Hoods Creek Backbone Interceptor/Pump Station/Force Main	3-5 Years	Not Funded	\$6,880,000	Clark		
<b>SX21049026</b>	East Interceptor Sanitary Sewer System Rehabilitation	6-10 Years	Not Funded	\$6,430,000	Clark		
<b>SX21049007</b>	Hancock Creek Backbone Interceptor/Pump Station/Force Main	6-10 Years	Not Funded	\$4,482,250	Clark		
<b>SX21049022</b>	Wayland Heights Subdivision/Hancock Valley Sanitary Sewer Improvements	6-10 Years	Not Funded	\$3,026,000	Clark		
<b>SX21049025</b>	East Washington Street and Flanagan Street Sanitary Sewer System Improvements	6-10 Years	Not Funded	\$2,507,000	Clark		
<b>SX21049018</b>	WMU-Westchester Manor/Woodford Estates Sanitary Sewer Improvements	6-10 Years	Not Funded	\$778,000	Clark		
<b>SX21049031</b>	Industrial Park Non-Potable Water Line	0-2 Years	Not Funded	\$425,000	Clark		

# Clay County

- 2010 census population of 21,730 (8,875 households) with 21% serviceable.
- Projected 2020 population of 20,289 (change of -1,441).
- Clay County has 44.07 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 10.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$15,385,000.
- Estimated funding needs for projects from 6 to 10 years: \$1,701,503.



Clay County has a 2010 census population count of 21,730 (8,875 households) with a projected 2020 population count of 20,289 (7,421 households). Public sewer is currently available to approximately 21 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,321 serviceable households will be added through the construction of 0.00 miles of sewer line extensions and approximately 771 instances of improved service through the rehabilitation of 10.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Manchester	5	\$14,485,000	-	771	-	10.00	
Clay County Fiscal Court	1	\$900,000	1,321	-	-	-	
East Laurel Water District	1	\$1,701,503	-	-	-	-	
<b>Totals:</b>	<b>7</b>	<b>\$17,086,503</b>	<b>1,321</b>	<b>771</b>	<b>-</b>	<b>10.00</b>	

## Public Wastewater Systems in Clay County

Note: Serviceability counts are for households within Clay county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0029122</a>	City of Manchester	Clay	4,514	1,814
		<b>Totals:</b>	4,514	1,814

# SEWER SERVICE AREAS CLAY COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- BIG CREEK ELEM SCHOOL
- BURNING SPRINGS ELEM SCHOOL
- CHADS HOPE CENTER
- CLAY CO AREA TECH CENTER
- GOOSE ROCK ELEM SCHOOL
- HACKER ELEM SCHOOL
- LAUREL CREEK HEALTH CARE CENTER
- MANCHESTER RECREATIONAL CENTER
- MANCHESTER STP
- ONEDA BAPTIST INSTITUTE
- REDBIRD MISSION HIGH & ELEMENTARY
- REDBIRD MISSION INC.



## Clay County (continued)

### System Summary for City of Manchester

Permit ID	<b>KY0029122</b>	Treats Wastewater	Yes, 1.6 MGD with 0.77 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,321
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$15.88	Total KISOP Treated (MG)	-
Residential Customers	1,095	Total Treated (MG)	202.670
Commercial Customers	225	Number of Manholes	1000
Institutional Customers	1	Number of Lift Stations	25
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 41.81 miles (Collection: 41.69 miles, Interceptors: 0.12 miles ).			

MG = Million Gallons.

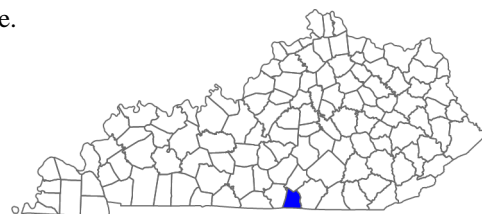
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Manchester

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21051006</b>	Lift Station Rehabilitation and Replacement	3-5 Years	Not Funded	\$1,180,000	Clay	13	1
<b>SX21051005</b>	East Manchester Sewer Line Replacement	3-5 Years	Not Funded	\$4,600,000	Clay	16	2
<b>SX21051001</b>	Downtown Manchester Sewer Line Rehabilitation and Replacement	3-5 Years	Not Funded	\$7,500,000	Clay	20	3
<b>SX21051007</b>	Beech Creek Recreational Center Wastewater Package Plant Replacement	3-5 Years	Not Funded	\$425,000	Clay	25	5
<b>SX21051002</b>	Frog Level Sewer Line Replacement	3-5 Years	Not Funded	\$780,000	Clay	31	6

# Clinton County

- 2010 census population of 10,272 (5,311 households) with 24% serviceable.
- Projected 2020 population of 10,896 (change of 624).
- Clinton County has 32.50 miles of existing sewer lines.
- 31.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$6,939,000.
- Estimated funding needs for projects from 6 to 10 years: \$3,157,000.



Clinton County has a 2010 census population count of 10,272 (5,311 households) with a projected 2020 population count of 10,896 (4,755 households). Public sewer is currently available to approximately 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 655 serviceable households will be added through the construction of 31.00 miles of sewer line extensions and approximately 52 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances. 1.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Albany	9	\$10,096,000	655	52	31.00	1.00	
<b>Totals:</b>	<b>9</b>	<b>\$10,096,000</b>	<b>655</b>	<b>52</b>	<b>31.00</b>	<b>1.00</b>	

## Public Wastewater Systems in Clinton County

Note: Serviceability counts are for households within Clinton county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0024295</a>	Albany Municipal Water & Sewer	Clinton	2,499	1,297
		<b>Totals:</b>	2,499	1,297

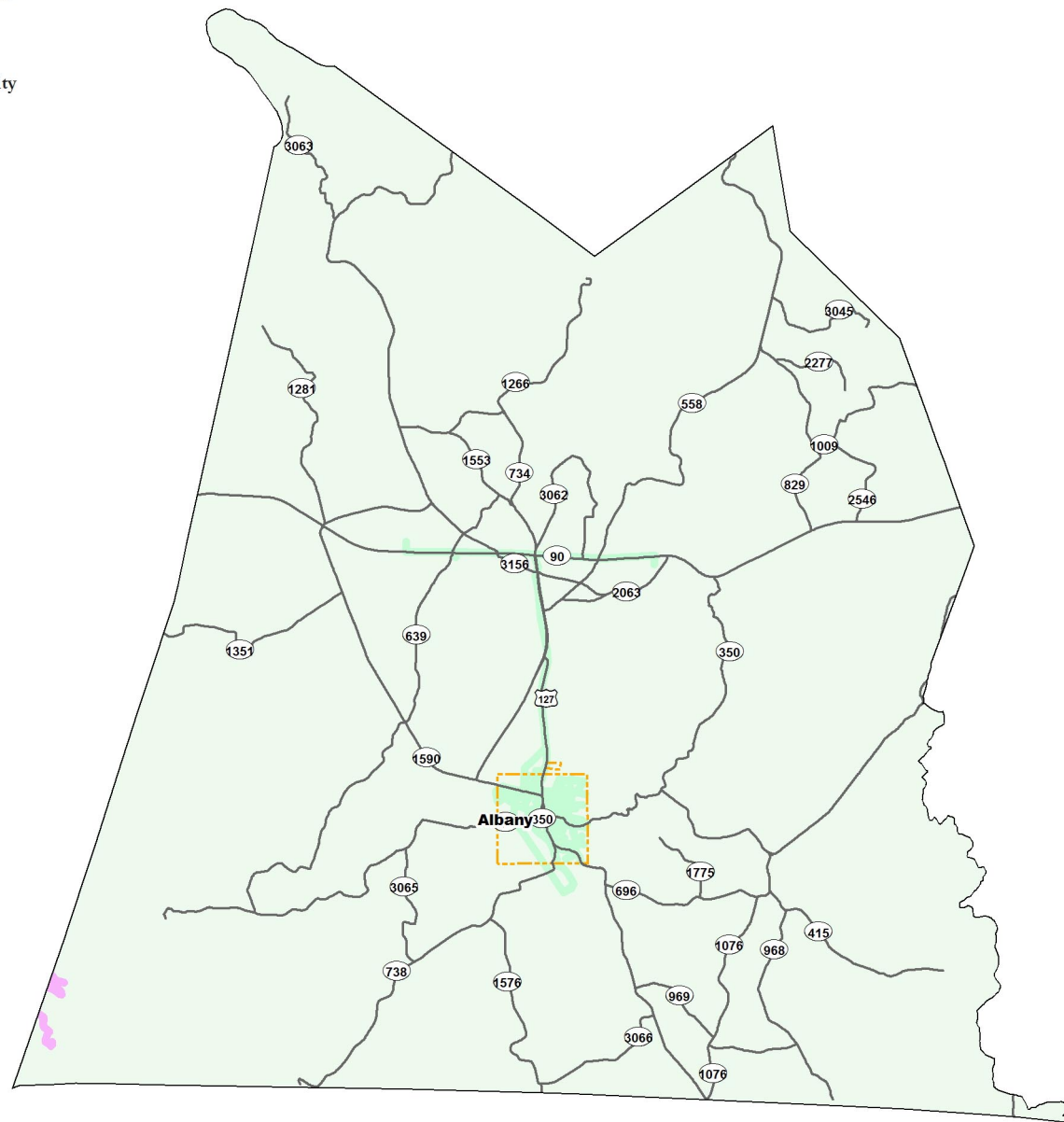
## SEWER SERVICE AREAS CLINTON COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- ALBANY MUNICIPAL WATER & SEWER
- DALE HOLLOW LAKE STATE RESORT PARK

## Clinton County (continued)

### System Summary for Albany Municipal Water & Sewer

Permit ID	<b>KY0024295</b>	Treats Wastewater	Yes, 0.9 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,281
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$16.95	Total KISOP Treated (MG)	-
Residential Customers	1,080	Total Treated (MG)	113.400
Commercial Customers	173	Number of Manholes	500
Institutional Customers	20	Number of Lift Stations	13
Industrial Customers	3	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 30.82 miles (Collection: 30.82 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Albany Municipal Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21053007</b>	Albany Phase 2 Wastewater Treatment Plant Expansion & Improvements	3-5 Years	Not Funded	\$4,032,000	Clinton		
<b>SX21053004</b>	Rowena - Lake Cumberland Sewer System Extension	3-5 Years	Not Funded	\$1,697,000	Clinton		
<b>SX21053011</b>	Albany – Dale Hollow Lake Sewage Transport System	6-10 Years	Not Funded	\$1,050,000	Clinton		
<b>SX21053009</b>	Albany/Clear Fork Sewer System Renovation	6-10 Years	Not Funded	\$782,000	Clinton		
<b>SX21053010</b>	Albany/Grider Hill Facility/Lake Cumberland Sewage Transport System	6-10 Years	Not Funded	\$736,000	Clinton		
<b>SX21053006</b>	Albany Lift Station Renovation	3-5 Years	Not Funded	\$665,000	Clinton		
<b>SX21053012</b>	Albany – Foothills Academy Sewer Force Main Extension	6-10 Years	Not Funded	\$589,000	Clinton		
<b>SX21053014</b>	Albany Bypass Sewer Extension	3-5 Years	Not Funded	\$395,000	Clinton		
<b>SX21053013</b>	Highway 1590 Sewer Extension	3-5 Years	Not Funded	\$150,000	Clinton		

# Cumberland County

- 2010 census population of 6,856 (3,690 households) with 22% serviceable.
- Projected 2020 population of 6,649 (change of -207).
- Cumberland County has 19.24 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$3,500,000.
- There are no projects planned from 6 to 10 years.



Cumberland County has a 2010 census population count of 6,856 (3,690 households) with a projected 2020 population count of 6,649 (2,840 households). Public sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 751 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Burkesville	2	\$3,500,000	-	751	-	1.00	
<b>Totals:</b>	<b>2</b>	<b>\$3,500,000</b>	<b>-</b>	<b>751</b>	<b>-</b>	<b>1.00</b>	

## Public Wastewater Systems in Cumberland County

Note: Serviceability counts are for households within Cumberland county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0036854</a>	Burkesville Wastewater	Cumberland	1,490	775
		<b>Totals:</b>	1,490	775

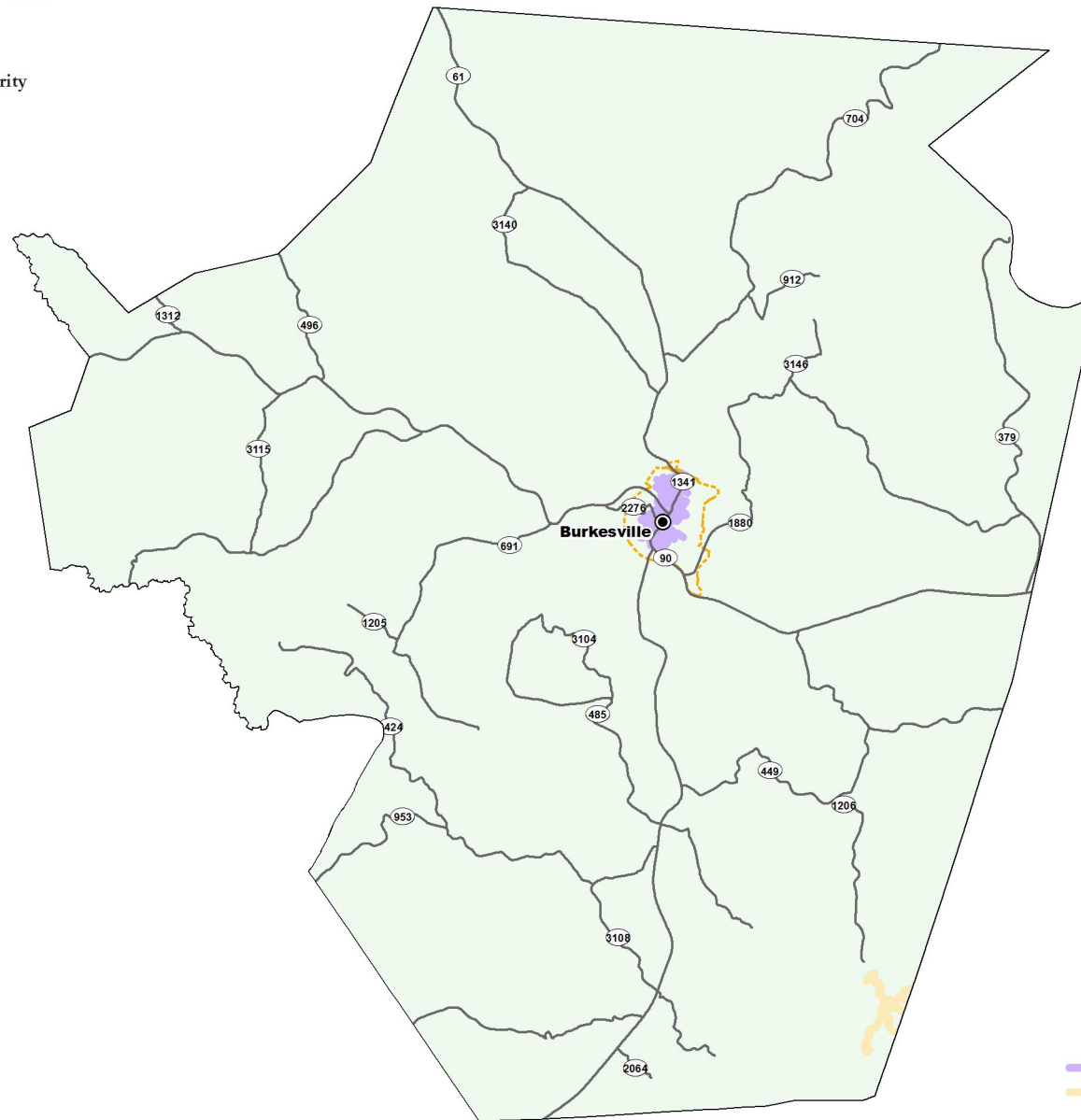
# SEWER SERVICE AREAS CUMBERLAND COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- BURKESVILLE WASTEWATER
- DALE HOLLOW LAKE STATE RESORT PARK

## Cumberland County (continued)

### System Summary for Burkesville Wastewater

Permit ID	<b>KY0036854</b>	Treats Wastewater	Yes, 0.5 MGD with 0.23 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	769
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$30.84	Total KISOP Treated (MG)	-
Residential Customers	680	Total Treated (MG)	69.128
Commercial Customers	84	Number of Manholes	222
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	5	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 13.87 miles (Collection: 13.87 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

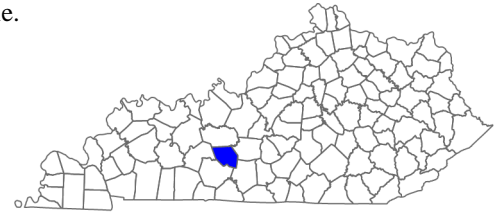
### Project Summary (Top 18 Approved, 0-5 years) for Burkesville Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21057002</b>	Burkesville - WWTP Improvements	3-5 Years	Not Funded	\$2,000,000	Cumberland		
<b>SX21057003</b>	Burkesville - Sanitary Sewer System Overflow Remediation	0-2 Years	Partially Funded	\$1,500,000	Cumberland		



# Edmonson County

- 2010 census population of 12,161 (6,467 households) with 11% serviceable.
- Projected 2020 population of 12,628 (change of 467).
- Edmonson County has 35.63 miles of existing sewer lines.
- 24.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$11,158,771.
- There are no projects planned from 6 to 10 years.



Edmonson County has a 2010 census population count of 12,161 (6,467 households) with a projected 2020 population count of 12,628 (5,283 households). Public sewer is currently available to approximately 11 percent of the county's households based on 2010 census counts. Over the next ten years approximately 727 serviceable households will be added through the construction of 24.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Edmonson County Water District	2	\$11,158,771	727	-	24.00	-	
<b>Totals:</b>	<b>2</b>	<b>\$11,158,771</b>	<b>727</b>	<b>-</b>	<b>24.00</b>	<b>-</b>	

## Public Wastewater Systems in Edmonson County

Note: Serviceability counts are for households within Edmonson county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0023396</a>	Brownsville Municipal Water & Sewer	Edmonson	929	480
<a href="#">KY0091561</a>	Caveland Environmental Authority	Hart	504	213
		<b>Totals:</b>	1,433	693



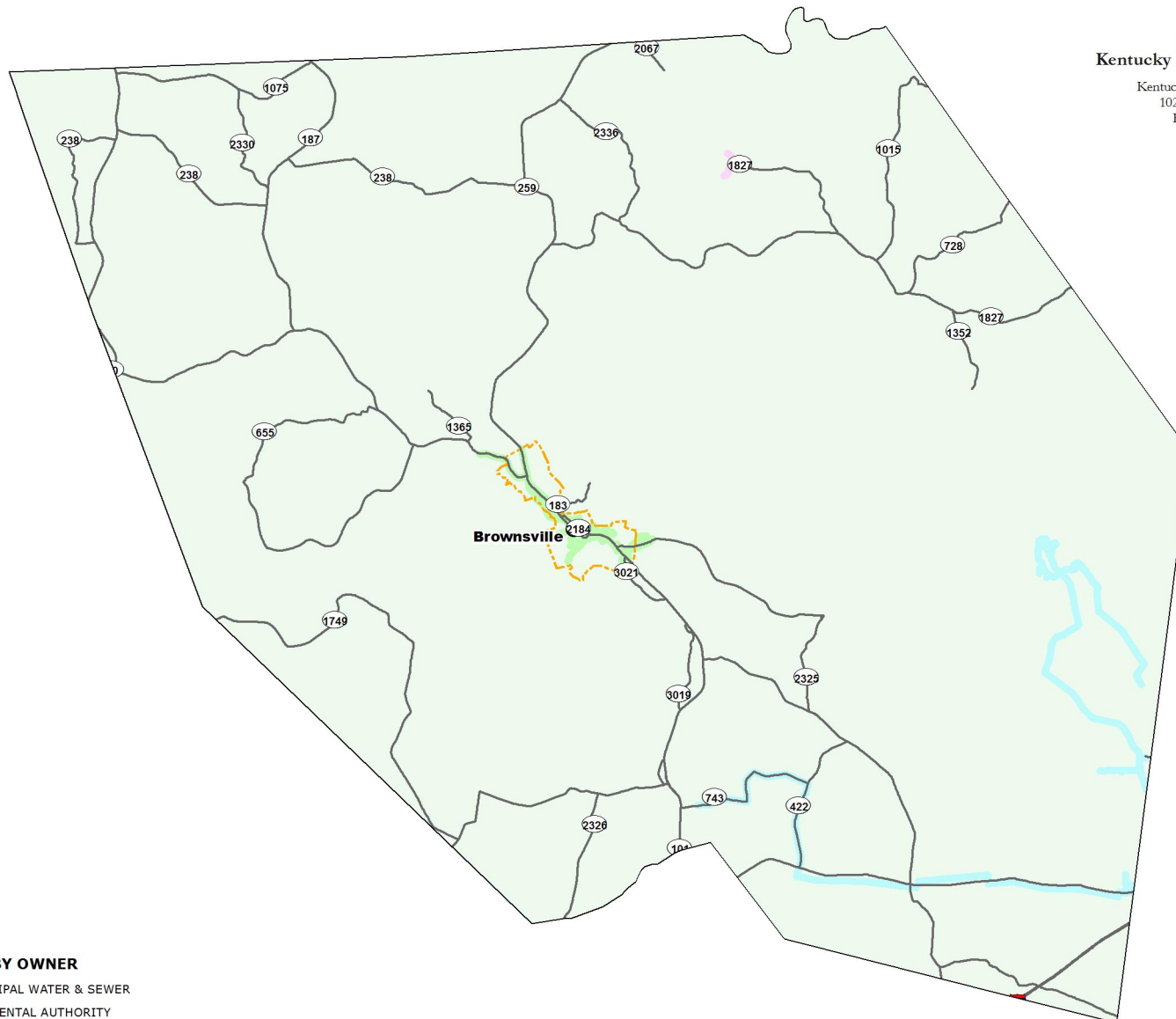
# SEWER SERVICE AREAS EDMONSON COUNTY

Kentucky

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March, 2013



## SEWER SERVICE BY OWNER

- BROWNSVILLE MUNICIPAL WATER & SEWER
- CAVELAND ENVIRONMENTAL AUTHORITY
- NOLIN LAKE STATE PARK

## Edmonson County (continued)

### System Summary for Brownsville Municipal Water & Sewer

Permit ID	<b>KY0023396</b>	Treats Wastewater	Yes, 0.12 MGD with 0.06 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	480
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$21.10	Total KISOP Treated (MG)	-
Residential Customers	388	Total Treated (MG)	32.850
Commercial Customers	86	Number of Manholes	116
Institutional Customers	6	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 55% Constructed
Total Collection System Line Length = 12.39 miles (Collection: 12.30 miles, Interceptors: 0.10 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Brownsville Municipal Water & Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21061009</b>	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	\$7,843,771	Edmonson	10	1
<b>SX21061007</b>	Edmonson County Water District - KY 259 Wastewater Collection System	3-5 Years	Not Funded	\$3,315,000	Edmonson	15	2

# Elliott County

- 2010 census population of 7,852 (3,371 households) with 11% serviceable.
- Projected 2020 population of 8,078 (change of 226).
- Elliott County has 11.62 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- There are no projects planned from 6 to 10 years.



Elliott County has a 2010 census population count of 7,852 (3,371 households) with a projected 2020 population count of 8,078 (3,011 households). Public sewer is currently available to approximately 11 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

## Public Wastewater Systems in Elliott County

Note: Serviceability counts are for households within Elliott county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0052264</a>	Sandy Hook Sewer Department	Elliott	688	368
		<b>Totals:</b>	688	368

## SEWER SERVICE AREAS ELLIOTT COUNTY

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March, 2013



**SEWER SERVICE BY OWNER**

SANDY HOOK SEWER DEPARTMENT

## Elliott County (continued)

### System Summary for Sandy Hook Sewer Department

Permit ID	<a href="#">KY0052264</a>	Treats Wastewater	Yes, 0.5 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	252
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.00	Total KISOP Treated (MG)	-
Residential Customers	183	Total Treated (MG)	85.782
Commercial Customers	44	Number of Manholes	78
Institutional Customers	23	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 11.62 miles (Collection: 11.03 miles, Interceptors: 0.59 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Sandy Hook Sewer Department**

# Estill County

- 2010 census population of 14,672 (6,865 households) with 32% serviceable.
- Projected 2020 population of 14,359 (change of -313).
- Estill County has 47.59 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 1.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,160,000.
- Estimated funding needs for projects from 6 to 10 years: \$43,313,000.



Estill County has a 2010 census population count of 14,672 (6,865 households) with a projected 2020 population count of 14,359 (6,115 households). Public sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 259 serviceable households will be added through the construction of 7.00 miles of sewer line extensions. 1.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Irvine	3	\$760,000	23	-	1.00	-	
Estill County Water District #1	1	\$3,400,000	233	-	6.00	-	
Northern Madison Sanitation District	1	\$43,313,000	3	-	-	-	
<b>Totals:</b>	<b>5</b>	<b>\$47,473,000</b>	<b>259</b>	<b>-</b>	<b>7.00</b>	<b>-</b>	

## Public Wastewater Systems in Estill County

Note: Serviceability counts are for households within Estill county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0095940</a>	Estill County Water District	Estill	778	365
<a href="#">KY0025909</a>	Irvine Municipal Utilities	Estill	3,728	1,852
		<b>Totals:</b>	4,506	2,217





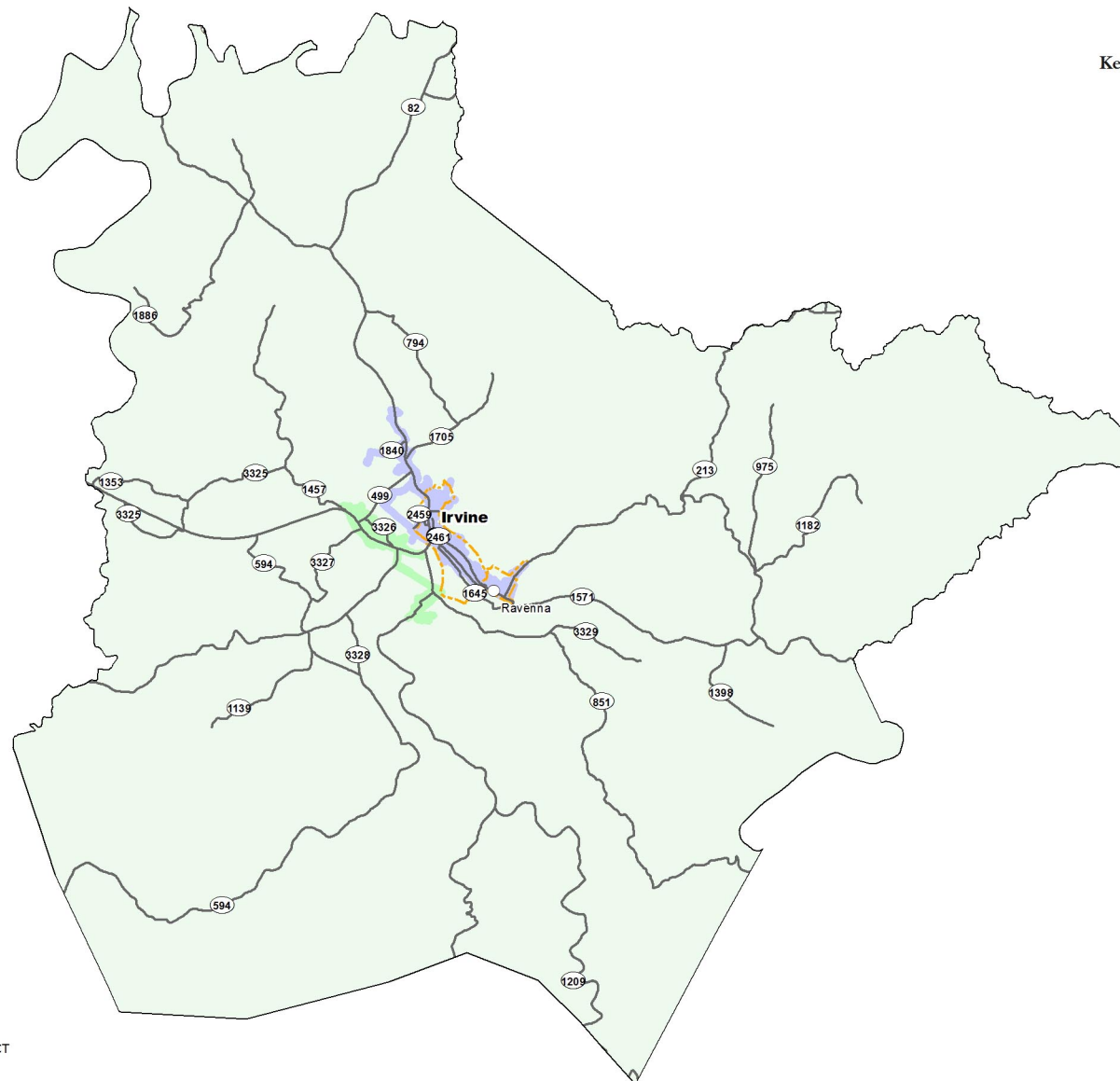
## SEWER SERVICE AREAS ESTILL COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- ESTILL COUNTY WATER DISTRICT
- IRVINE MUNICIPAL UTILITIES

## Estill County (continued)

### System Summary for Estill County Water District

Permit ID	<b>KY0095940</b>	Treats Wastewater	Yes, 0.15 MGD with 0.15 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	460
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	392	Total Treated (MG)	34.675
Commercial Customers	68	Number of Manholes	20
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 15.15 miles (Collection: 12.39 miles, Interceptors: 2.76 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Estill County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21065002</b>	Wisemantown Sewer Extensions	0-2 Years	Not Funded	\$3,400,000	Estill	5	1

## Estill County (continued)

### System Summary for Irvine Municipal Utilities

Permit ID	<b>KY0025909</b>	Treats Wastewater	Yes, 0.85 MGD with 0.52 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,720
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.62	Total KISOP Treated (MG)	-
Residential Customers	1,365	Total Treated (MG)	202.700
Commercial Customers	139	Number of Manholes	350
Institutional Customers	3	Number of Lift Stations	8
Industrial Customers	1	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 32.45 miles (Collection: 27.61 miles, Interceptors: 4.84 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Irvine Municipal Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21065002</b>	Wisemantown Sewer Extensions	0-2 Years	Not Funded	\$3,400,000	Estill	5	1
<b>SX21065008</b>	Kelly Pump Station 6-Inch Force Main Replacement - Imu	0-2 Years	Not Funded	\$250,000	Estill	17	2
<b>SX21065007</b>	Covey Road Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	\$201,000	Estill	21	4
<b>SX21065006</b>	Wall Street Sewer Extension - Irvine Municipal Utilities	0-2 Years	Not Funded	\$309,000	Estill	22	3

# Fleming County

- 2010 census population of 14,348 (6,623 households) with 25% serviceable.
- Projected 2020 population of 14,880 (change of 532).
- Fleming County has 33.18 miles of existing sewer lines.
- 36.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,233,883.
- Estimated funding needs for projects from 6 to 10 years: \$11,420,000.



Fleming County has a 2010 census population count of 14,348 (6,623 households) with a projected 2020 population count of 14,880 (6,231 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,278 serviceable households will be added through the construction of 36.00 miles of sewer line extensions and approximately 11 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Ewing	1	\$5,870,000	699	-	20.00	-	-
City of Flemingsburg	2	\$735,000	10	11	3.00	-	-
Fleming County Fiscal Court	1	\$5,550,000	552	-	12.00	-	-
Morehead Utility Plant Board	1	\$1,498,883	17	-	1.00	-	-
<b>Totals:</b>	<b>5</b>	<b>\$13,653,883</b>	<b>1,278</b>	<b>11</b>	<b>36.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Fleming County

Note: Serviceability counts are for households within Fleming county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0021229</a>	Flemingsburg Sewer	Fleming	3,116	1,591
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Rowan	137	58
		<b>Totals:</b>	3,253	1,649



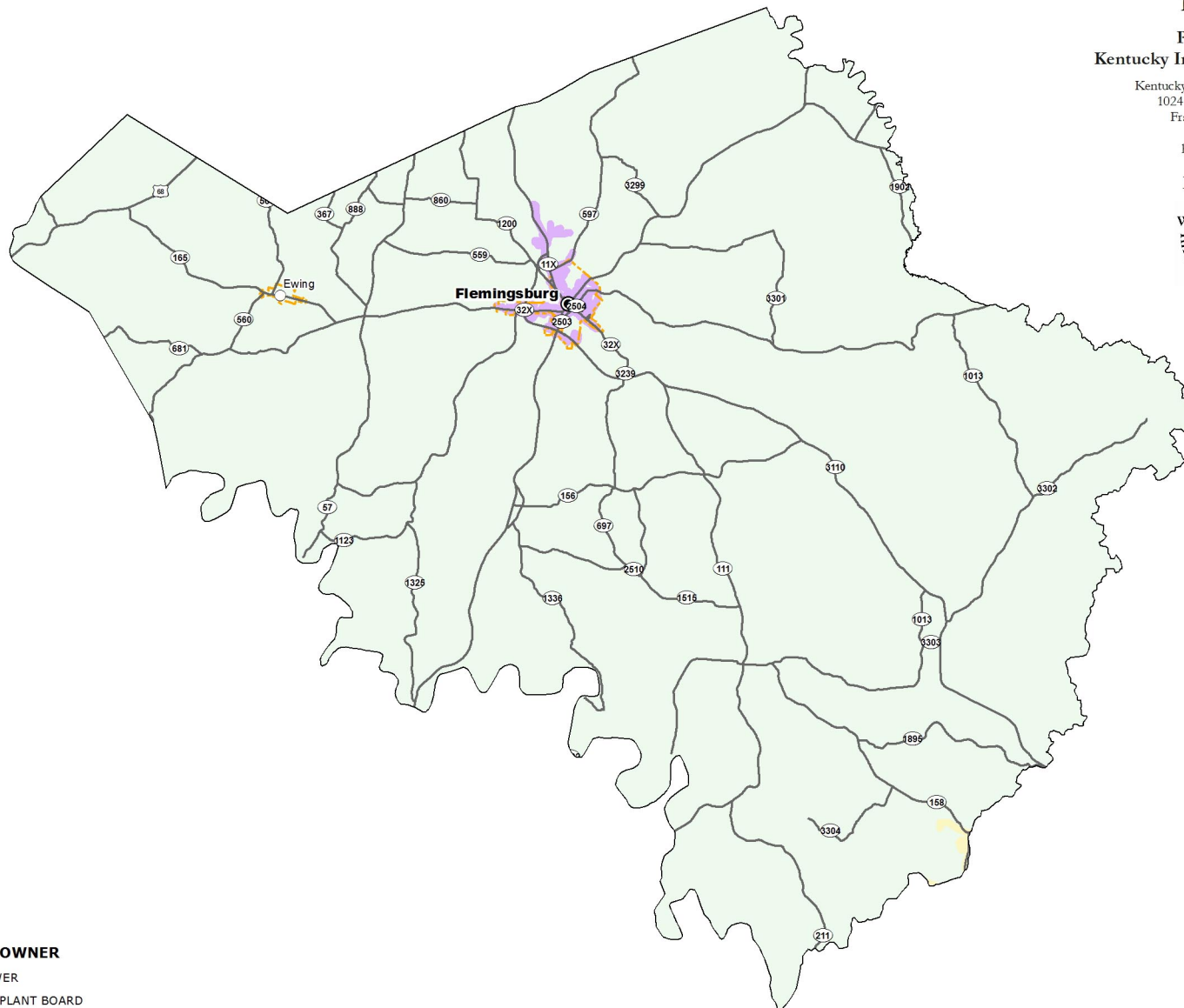
## SEWER SERVICE AREAS FLEMING COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- FLEMINGSBURG SEWER
- MOREHEAD UTILITY PLANT BOARD

## Fleming County (continued)

### System Summary for Ewing Sewer

Permit ID	<b>KYP000075</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Ewing Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21069017</b>	Ewing Sewer Phase I (Construction)	6-10 Years	Not Funded	\$5,870,000	Fleming	12	3

## Fleming County (continued)

### System Summary for Flemingsburg Sewer

Permit ID	<b>KY0021229</b>	Treats Wastewater	Yes, 0.65 MGD with 0.55 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,371
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$38.25	Total KISOP Treated (MG)	-
Residential Customers	1,169	Total Treated (MG)	127.894
Commercial Customers	5	Number of Manholes	557
Institutional Customers	5	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 30.00 miles (Collection: 29.97 miles, Interceptors: 0.03 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Flemingsburg Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21069020</b>	Phase 2 - Flemingsburg Bypass Sewer Line	3-5 Years	Not Funded	\$525,000	Fleming	2	1
<b>SX21069019</b>	Flemingsburg Circle Drive & Textron Drive Sewer Line Replacement	3-5 Years	Not Funded	\$210,000	Fleming	9	2
<b>SX21069017</b>	Ewing Sewer Phase I (Construction)	6-10 Years	Not Funded	\$5,870,000	Fleming	12	3
<b>SX21069018</b>	Hillsboro Sewer Phase I (Construction)	6-10 Years	Not Funded	\$5,550,000	Fleming	19	4



# Floyd County

- 2010 census population of 39,451 (18,175 households) with 28% serviceable.
- Projected 2020 population of 37,153 (change of -2,298).
- Floyd County has 117.81 miles of existing sewer lines.
- 76.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$22,741,061.
- Estimated funding needs for projects from 6 to 10 years: \$4,338,000.



Floyd County has a 2010 census population count of 39,451 (18,175 households) with a projected 2020 population count of 37,153 (15,594 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 2,083 serviceable households will be added through the construction of 76.00 miles of sewer line extensions and approximately 227 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserviced	Underserved			
City of Martin	1	\$2,435,000	92	124	-	3.00	
City of Wheelwright	1	\$587,000	-	103	-	1.00	
Prestonsburg City's Utilities Commission	8	\$6,393,617	779	-	43.00	-	
Southern Water & Sewer District	8	\$17,513,444	1,152	-	32.00	-	
Wheelwright Utilities Commission	1	\$150,000	60	-	1.00	-	
<b>Totals:</b>	<b>19</b>	<b>\$27,079,061</b>	<b>2,083</b>	<b>227</b>	<b>76.00</b>	<b>4.00</b>	

## Public Wastewater Systems in Floyd County

Note: Serviceability counts are for households within Floyd county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0026921</a>	Martin Wastewater Treatment Plant	Floyd	789	442
<a href="#">KY0027413</a>	Prestonsburg City's Utilities	Floyd	7,909	3,676
<a href="#">KY0107051</a>	Southern Water & Sewer District - Eastern STP	Floyd	37	24
<a href="#">KY0105228</a>	Southern Water & Sewer District - Wayland STP	Floyd	228	100
<a href="#">KY0028789</a>	Wheelwright Utility Commission	Floyd	923	374
<a href="#">KY0103578</a>	Paintsville Utilities Commission - Honey Branch	Johnson	859	414
		<b>Totals:</b>	10,745	5,030

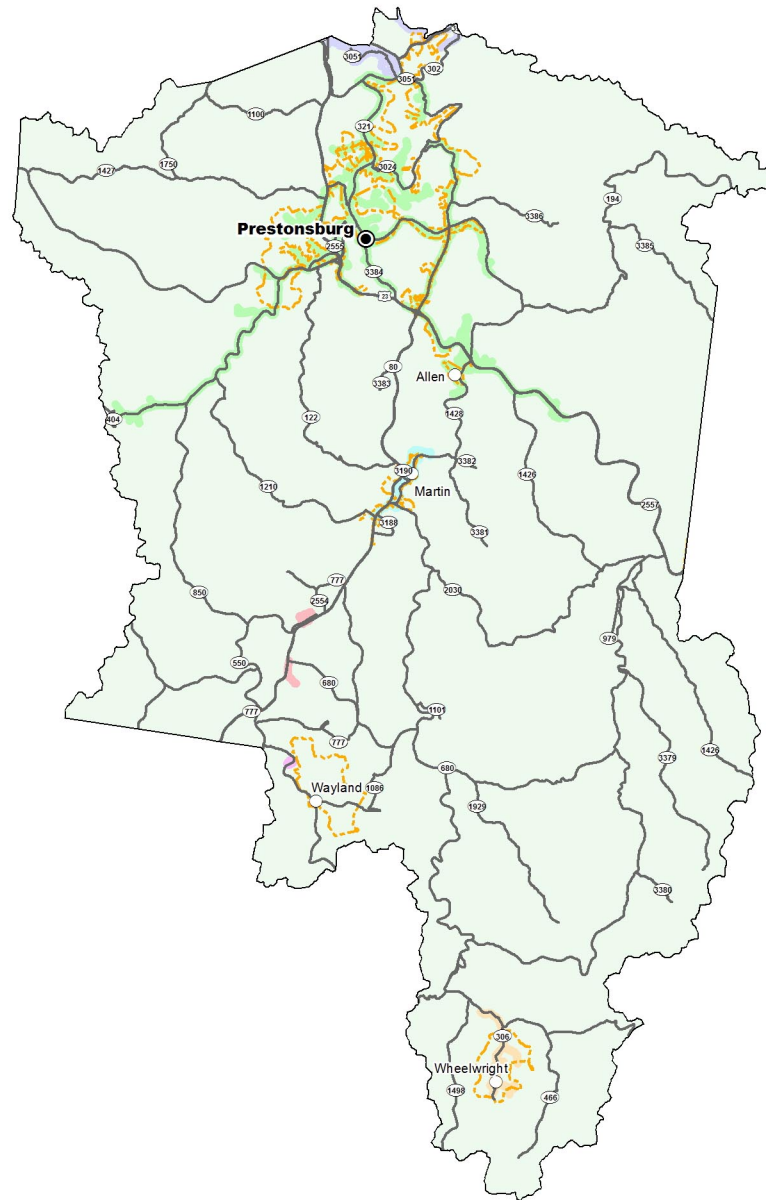
# SEWER SERVICE AREAS FLOYD COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- MARTIN WASTEWATER TREATMENT PLANT
- PAINTSVILLE UTILITIES COMMISSION - HONEY BRANCH
- PRESTONSBURG CITY'S UTILITIES
- SOUTHERN WATER & SEWER DISTRICT - WAYLAND STP
- SOUTHERN WATER AND SEWER DISTRICT - EASTERN STP
- WHEELWRIGHT UTILITY COMMISSION

## Floyd County (continued)

### System Summary for Bear Hollow Subdivision

Permit ID	<b>KY0103161</b>	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Bear Hollow Subdivision**

## Floyd County (continued)

### System Summary for Eagle Trace Subdivision

Permit ID	<b>KY0103802</b>	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Eagle Trace Subdivision**

## Floyd County (continued)

### System Summary for Harold Wastewater Treatment Plant

Permit ID	KY0109258	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$47.42	Total KISOP Treated (MG)	-
Residential Customers	124	Total Treated (MG)	3.600
Commercial Customers	5	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Harold Wastewater Treatment Plant**

## Floyd County (continued)

### System Summary for Martin Wastewater Treatment Plant

Permit ID	<b>KY0026921</b>	Treats Wastewater	Yes, 0.12 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	403
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.41	Total KISOP Treated (MG)	-
Residential Customers	452	Total Treated (MG)	14.939
Commercial Customers	54	Number of Manholes	350
Institutional Customers	13	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 8.41 miles (Collection: 8.30 miles, Interceptors: 0.10 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Martin Wastewater Treatment Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21071006</b>	City of Martin Package Treatment Plant Elimination Project	0-2 Years	Not Funded	\$2,435,000	Floyd		

## Floyd County (continued)

### System Summary for Prestonsburg City's Utilities

Permit ID	<a href="#">KY0027413</a>	Treats Wastewater	Yes, 1 MGD with 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,807
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.64	Total KISOP Treated (MG)	-
Residential Customers	2,214	Total Treated (MG)	205,000
Commercial Customers	593	Number of Manholes	1100
Institutional Customers	-	Number of Lift Stations	36
Industrial Customers	-	Percent Lines 20 yrs or Older	82%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 91.03 miles (Collection: 90.92 miles, Interceptors: 0.11 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Prestonsburg City's Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21071233</a>	PCUC - Upper Abbott Creek Sewer System Extension	6-10 Years	Not Funded	\$2,144,000	Floyd		
<a href="#">SX21071220</a>	PCUC - By Pass Force Main Around Town	0-2 Years	Not Funded	\$1,493,000	Floyd		
<a href="#">SX21071219</a>	PCUC Lower Abbott Creek Pressure Sewer Project	3-5 Years	Not Funded	\$1,091,000	Floyd		
<a href="#">SX21071215</a>	PCUC - Section 531 Project	3-5 Years	Partially Funded	\$785,417	Floyd		
<a href="#">SX21071237</a>	PCUC - KY 1428 West Sewer System Ext	0-2 Years	Not Funded	\$307,700	Floyd		
<a href="#">SX21071234</a>	PCUC - Lakeview Village Sewer System	0-2 Years	Not Funded	\$212,000	Floyd		
<a href="#">SX21071231</a>	PCUC - US 23 Banner Community Sewer System	6-10 Years	Not Funded	\$194,000	Floyd		
<a href="#">SX21071235</a>	PCUC - Stonecrest Sewer System Modifications	0-2 Years	Not Funded	\$166,500	Floyd		



## Floyd County (continued)

### System Summary for Southern Water & Sewer District - Eastern STP

Permit ID	<b>KY0107051</b>	Treats Wastewater	Yes, 0.25 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	36
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$47.42	Total KISOP Treated (MG)	-
Residential Customers	34	Total Treated (MG)	0.730
Commercial Customers	2	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 0.41 miles (Collection: 0.41 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Southern Water & Sewer District - Eastern STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21071004</b>	Phase IV - Harold Sewer Project	3-5 Years	Not Funded	\$2,292,500	Floyd		
<b>SX21071705</b>	Southern Water & Sewer District North of Wayland KY 550 and KY 7	3-5 Years	Not Funded	\$2,000,000	Floyd		
<b>SX21071002</b>	Sewer Line Extension From New Plant At Eastern	3-5 Years	Not Funded	\$500,000	Floyd		

## Floyd County (continued)

### System Summary for Southern Water & Sewer District - Wayland STP

Permit ID	<b>KY0105228</b>	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	171
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$47.42	Total KISOP Treated (MG)	-
Residential Customers	166	Total Treated (MG)	7.600
Commercial Customers	5	Number of Manholes	40
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 4.27 miles (Collection: 4.06 miles, Interceptors: 0.21 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Southern Water & Sewer District - Wayland STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21071005</b>	Phase III - Harold Sewer Project	3-5 Years	Not Funded	\$2,000,000	Floyd	5	1
<b>SX21071721</b>	SWSD - Wayland Sewer Line Extension Project	6-10 Years	Not Funded	\$2,000,000	Floyd	10	2
<b>SX21071706</b>	Southern Water & Sewer District Waste water Extensions From KY 80 Extending From City of Martin	3-5 Years	Not Funded	\$7,000,000	Floyd		
<b>SX21071705</b>	Southern Water & Sewer District North of Wayland KY 550 and KY 7	3-5 Years	Not Funded	\$2,000,000	Floyd		
<b>SX21195121</b>	Phase II Harold Sewer Project	0-2 Years	Not Funded	\$1,205,944	Floyd		
<b>SX21071722</b>	Southern Water & Sewer District – Solids Handling Facilities At	3-5 Years	Not Funded	\$515,000	Floyd		

## Floyd County (continued)

### System Summary for Wheelwright Utility Commission

Permit ID	<b>KY0028789</b>	Treats Wastewater	Yes, 0.23 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	321
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.00	Total KISOP Treated (MG)	-
Residential Customers	305	Total Treated (MG)	33.000
Commercial Customers	15	Number of Manholes	30
Institutional Customers	1	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 5.81 miles (Collection: 5.78 miles, Interceptors: 0.03 miles ).			

MG = Million Gallons.

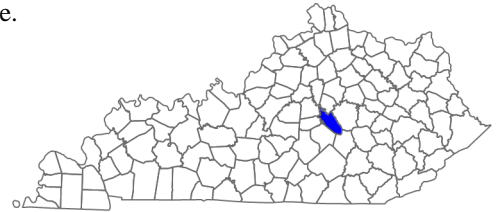
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Wheelwright Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21071001</b>	Extend Service to Golf Hollow and Branham Hollow (Stoker Branch)	3-5 Years	Not Funded	\$150,000	Floyd	13	3
<b>SX21071902</b>	Wheelwright - Replacement of Sewer System	3-5 Years	Not Funded	\$587,000	Floyd		

# Garrard County

- 2010 census population of 16,912 (7,463 households) with 25% serviceable.
- Projected 2020 population of 19,122 (change of 2,210).
- Garrard County has 29.12 miles of existing sewer lines.
- 7.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,616,420.
- There are no projects planned from 6 to 10 years.



Garrard County has a 2010 census population count of 16,912 (7,463 households) with a projected 2020 population count of 19,122 (7,917 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 121 serviceable households will be added through the construction of 7.00 miles of sewer line extensions and approximately 1,754 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Lancaster	6	\$2,611,420	95	1,742	6.00	4.00	
City of Richmond	1	\$1,800,000	6	-	1.00	-	
Garrard County Fiscal Court	1	\$205,000	20	12	-	-	
<b>Totals:</b>	<b>8</b>	<b>\$4,616,420</b>	<b>121</b>	<b>1,754</b>	<b>7.00</b>	<b>4.00</b>	

## Public Wastewater Systems in Garrard County

Note: Serviceability counts are for households within Garrard county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020974</a>	Lancaster Wastewater Treatment Plant and Sewer Department	Garrard	3,991	1,854
		<b>Totals:</b>	3,991	1,854



## SEWER SERVICE AREAS GARRARD COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

LANCASTER WASTEWATER TREATMENT PLANT AND SEWER DEPARTMENT

## Garrard County (continued)

### System Summary for Herrington Haven Subdivision

Permit ID	<a href="#">KY0053431</a>	Treats Wastewater	Yes, 0.0098 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.03 miles (Collection: 0.03 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Herrington Haven Subdivision**

## Garrard County (continued)

### System Summary for Lancaster Wastewater Treatment Plant and Sewer Department

Permit ID	<b>KY0020974</b>	Treats Wastewater	Yes, 1 MGD with 0.51 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,623
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$27.48	Total KISOP Treated (MG)	-
Residential Customers	1,425	Total Treated (MG)	185.500
Commercial Customers	171	Number of Manholes	528
Institutional Customers	15	Number of Lift Stations	15
Industrial Customers	2	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 29.09 miles (Collection: 23.05 miles, Interceptors: 6.04 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

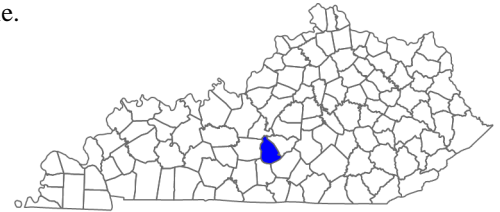
### Project Summary (Top 18 Approved, 0-5 years) for Lancaster Wastewater Treatment Plant and Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21079015</b>	Lancaster Sewer Line Extension to Industrial Park	0-2 Years	Not Funded	\$403,550	Garrard	32	4
<b>SX21079011</b>	Lancaster - Sewer Line Extension - Merriwood Estates	0-2 Years	Not Funded	\$886,530	Garrard		
<b>SX21079010</b>	Lancaster - Sewer Line Extension - Glenmore Estates	0-2 Years	Not Funded	\$557,590	Garrard		
<b>SX21079009</b>	Lancaster - Sewer Line Extension - US 27 North	0-2 Years	Not Funded	\$506,750	Garrard		
<b>SX21079014</b>	Paint Lick Sewer System	0-2 Years	Not Funded	\$205,000	Garrard		
<b>SX21079016</b>	Lancaster Sewer Line Replacement	0-2 Years	Not Funded	\$157,000	Garrard		
<b>SX21079013</b>	Lancaster Utility Security Improvements Part B	0-2 Years	Not Funded	\$100,000	Garrard		



# Green County

- 2010 census population of 11,258 (5,324 households) with 27% serviceable.
- Projected 2020 population of 11,112 (change of -146).
- Green County has 32.59 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,290,000.
- There are no projects planned from 6 to 10 years.



Green County has a 2010 census population count of 11,258 (5,324 households) with a projected 2020 population count of 11,112 (4,660 households). Public sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Greensburg	1	\$350,000	-	-	-	-	-
Green County / Summersville Sanitation Dist	2	\$940,000	-	-	-	-	-
<b>Totals:</b>	<b>3</b>	<b>\$1,290,000</b>	-	-	-	-	-

## Public Wastewater Systems in Green County

Note: Serviceability counts are for households within Green county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0023841</a>	Greensburg Sewer Department	Green	2,359	1,179
<a href="#">KY0096881</a>	Sanitation District #1 of Green County	Green	620	280
		<b>Totals:</b>	2,979	1,459

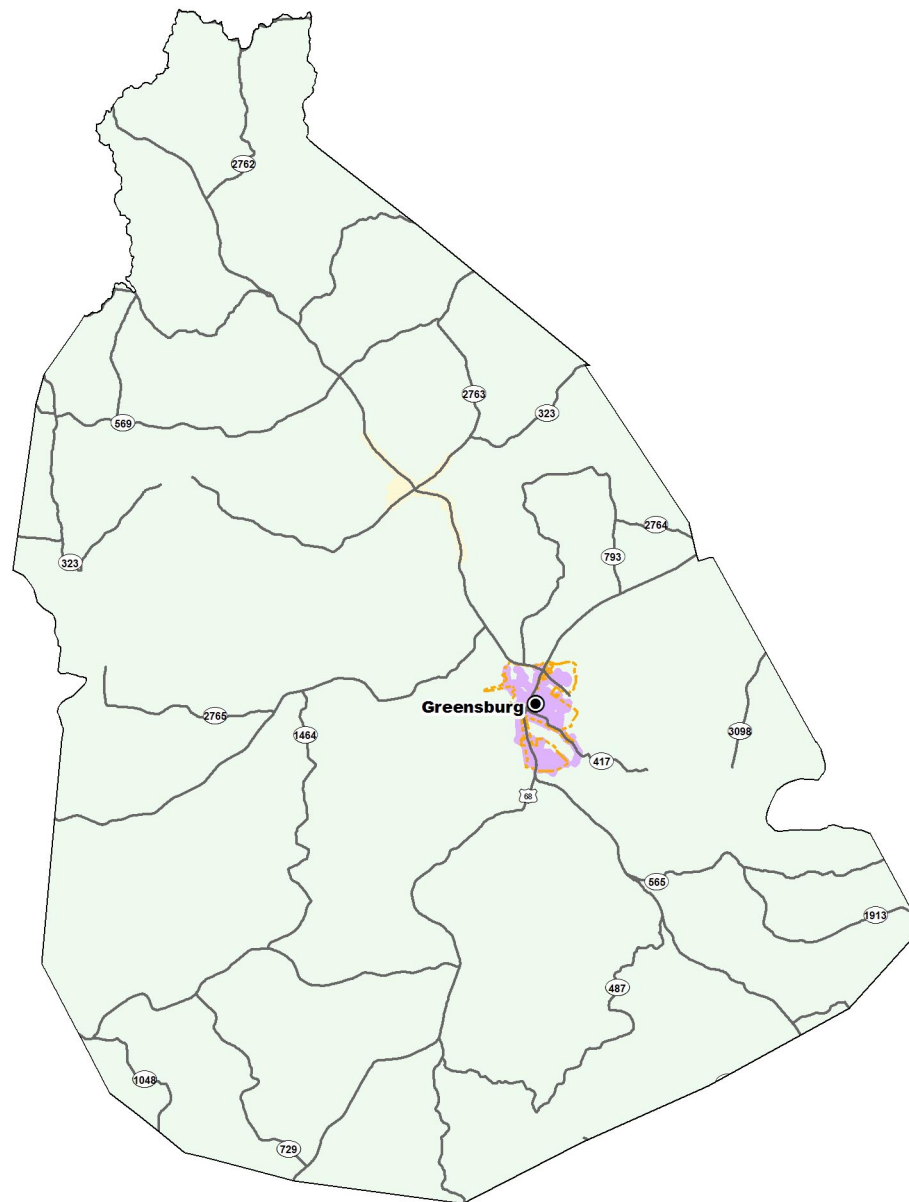
## SEWER SERVICE AREAS GREEN COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- GREENSBURG SEWER DEPARTMENT
- SANITATION DISTRICT #1 OF GREEN COUNTY

## Green County (continued)

### System Summary for Greensburg Sewer Department

Permit ID	<b>KY0023841</b>	Treats Wastewater	Yes, 0.75 MGD with 0.3 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	971
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.55	Total KISOP Treated (MG)	-
Residential Customers	862	Total Treated (MG)	114.676
Commercial Customers	101	Number of Manholes	259
Institutional Customers	6	Number of Lift Stations	9
Industrial Customers	2	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 23.50 miles (Collection: 23.50 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Greensburg Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21087016</b>	Greensburg-Clover Lick Creek Interceptor Sewer Project	3-5 Years	Not Funded	\$350,000	Green		

## Green County (continued)

### System Summary for Sanitation District #1 of Green County

Permit ID	<b>KY0096881</b>	Treats Wastewater	Yes, 0.1 MGD with 0.03 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	271
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$45.00	Total KISOP Treated (MG)	-
Residential Customers	262	Total Treated (MG)	11.000
Commercial Customers	7	Number of Manholes	28
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 9.09 miles (Collection: 9.09 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Sanitation District #1 of Green County

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21087014</b>	Green Co. SD#1 – Wastewater System Upgrades	3-5 Years	Not Funded	\$740,000	Green		
<b>SX21087010</b>	GCSD#1 – Pump Station Rehabilitation Project	3-5 Years	Not Funded	\$200,000	Green		

# Greenup County

- 2010 census population of 36,910 (16,330 households) with 56% serviceable.
- Projected 2020 population of 36,923 (change of 13).
- Greenup County has 168.91 miles of existing sewer lines.
- 22.00 miles of line extensions proposed in the next 10 years.
- 15.00 miles of line rehabilitation proposed in the next 10 years.
- 8.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$21,101,060.
- Estimated funding needs for projects from 6 to 10 years: \$5,191,300.



Greenup County has a 2010 census population count of 36,910 (16,330 households) with a projected 2020 population count of 36,923 (15,046 households). Public sewer is currently available to approximately 56 percent of the county's households based on 2010 census counts. Over the next ten years approximately 710 serviceable households will be added through the construction of 22.00 miles of sewer line extensions and approximately 26,484 instances of improved service through the rehabilitation of 15.00 miles of existing sewer lines and other appurtenances. 8.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserviced	Underserved			
Boyd County Sanitation District #4	1	\$260,000	11	-	-	-	
City of Bellefonte	2	\$315,000	-	72	-	1.00	
City of Flatwoods	6	\$2,100,550	6	305	1.00	1.00	
City of Greenup	4	\$5,470,000	-	1,632	-	8.00	
City of Raceland	8	\$808,300	116	2,421	4.00	1.00	
City of Russell	1	\$970,000	-	-	-	-	
City of South Shore	4	\$2,660,500	-	588	-	2.00	
City of Worthington	6	\$933,170	-	2,313	-	2.00	
City of Wurtland	10	\$11,692,840	576	1,983	17.00	-	
Greenup County Environmental Commission	2	\$555,000	-	17,170	-	-	
Greenup County Fiscal Court	1	\$527,000	1	-	-	-	
<b>Totals:</b>	<b>45</b>	<b>\$26,292,360</b>	<b>710</b>	<b>26,484</b>	<b>22.00</b>	<b>15.00</b>	

## Public Wastewater Systems in Greenup County

Note: Serviceability counts are for households within Greenup county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KYP000040</a>	Boyd & Greenup County Sanitation District #1	Greenup	2,954	1,232
<a href="#">KYP000039</a>	Flatwoods Sewer Department	Greenup	7,721	3,444
<a href="#">KY0026450</a>	Greenup Sewer Department	Greenup	1,270	542
<a href="#">KYP000038</a>	Raceland Sewer Department	Greenup	2,388	1,109
<a href="#">KYP000037</a>	Russell Sewer Department	Greenup	854	420
<a href="#">KY0026131</a>	South Shore Sewer Department	Greenup	2,282	1,102
<a href="#">KY0022926</a>	Worthington Sewer Department	Greenup	1,611	682
<a href="#">KY0033553</a>	Wurtland Sewer Department	Greenup	1,429	605
<a href="#">KYP000035</a>	Boyd County Sanitation District #2	Boyd	81	35
		<b>Totals:</b>	20,590	9,171

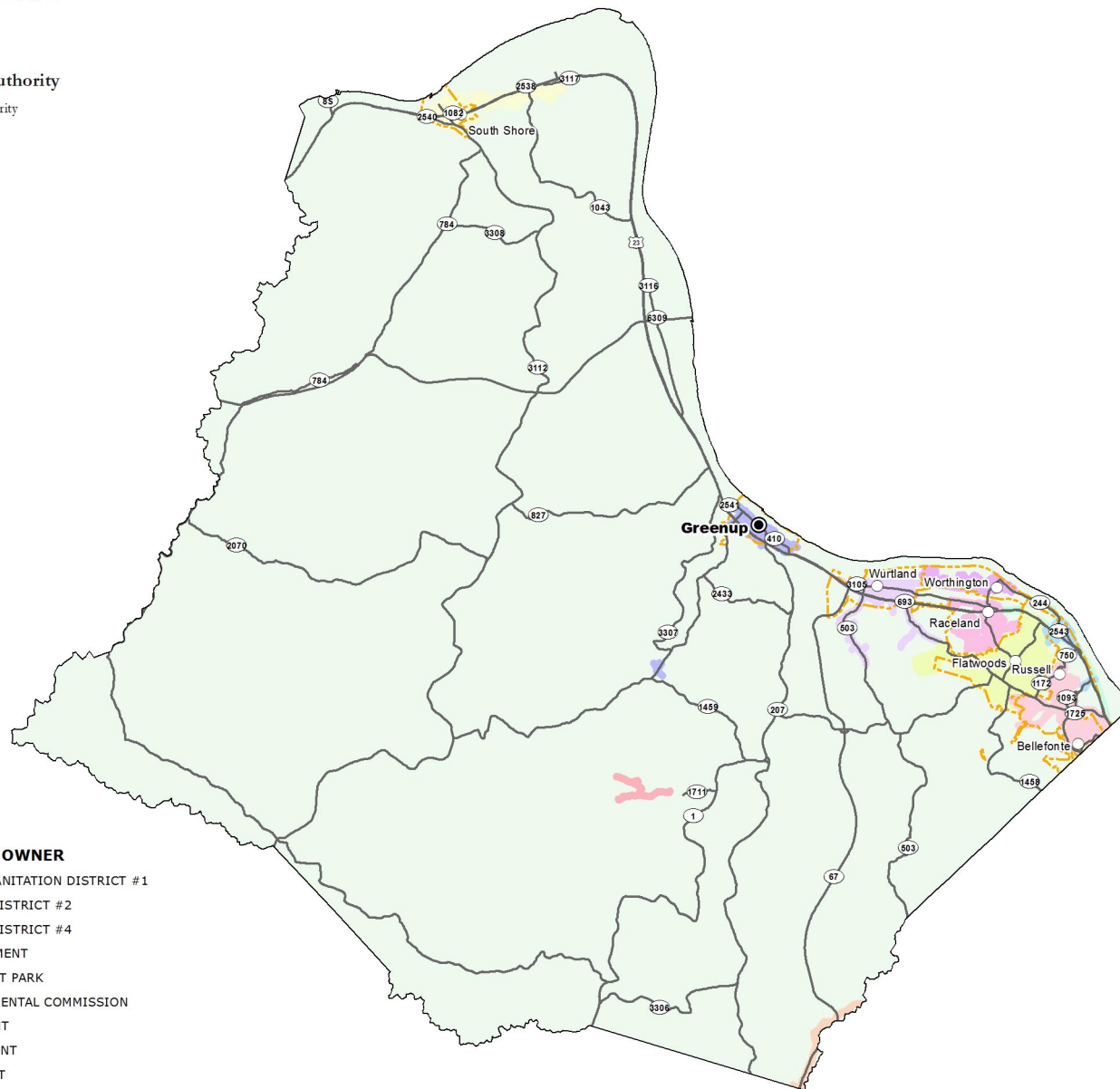
# SEWER SERVICE AREAS GREENUP COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- BOYD & GREENUP COUNTY SANITATION DISTRICT #1
- BOYD COUNTY SANITATION DISTRICT #2
- BOYD COUNTY SANITATION DISTRICT #4
- FLATWOODS SEWER DEPARTMENT
- GREENBO LAKE STATE RESORT PARK
- GREENUP COUNTY ENVIRONMENTAL COMMISSION
- GREENUP SEWER DEPARTMENT
- RACELAND SEWER DEPARTMENT
- RUSSELL SEWER DEPARTMENT
- SOUTH SHORE SEWER DEPARTMENT
- WORTHINGTON SEWER DEPARTMENT
- WURTLAND SEWER DEPARTMENT

## Greenup County (continued)

### System Summary for Alpine Village Subdivision

Permit ID	<b>KY0077194</b>	Treats Wastewater	Yes, 0.022 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$17.00	Total KISOP Treated (MG)	-
Residential Customers	47	Total Treated (MG)	9.228
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Alpine Village Subdivision**

## Greenup County (continued)

### System Summary for Boyd & Greenup County Sanitation District #1

Permit ID	KYP000040	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,561
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	3	Total KISOP Sent (MG)	213.803
Cost Per 4000 Gallons	\$24.00	Total KISOP Treated (MG)	-
Residential Customers	1,522	Total Treated (MG)	-
Commercial Customers	39	Number of Manholes	692
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 24.62 miles (Collection: 24.62 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Boyd & Greenup County Sanitation District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21089026</a>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		
<a href="#">SX21089045</a>	Bellefonte: Buena Vista Sewer Repair	3-5 Years	Not Funded	\$115,000	Greenup		



## Greenup County (continued)

### System Summary for Flatwoods Sewer Department

Permit ID	KYP000039	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	3,211
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	9	Total KISOP Sent (MG)	376.051
Cost Per 4000 Gallons	\$17.55	Total KISOP Treated (MG)	-
Residential Customers	3,028	Total Treated (MG)	-
Commercial Customers	183	Number of Manholes	989
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 55.17 miles (Collection: 51.50 miles, Interceptors: 3.67 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Flatwoods Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21089083</a>	Flatwoods: Jones Street Sewer Project	0-2 Years	Not Funded	\$650,000	Greenup		
<a href="#">SX21089082</a>	Flatwoods: Marsha Drive, Randall Street and England Lane Sewer Project	0-2 Years	Partially Funded	\$524,800	Greenup		
<a href="#">SX21089084</a>	Flatwoods: Dietrich Drive Sewer Project	0-2 Years	Not Funded	\$425,000	Greenup		
<a href="#">SX21089080</a>	Flatwoods: Federal Way Sewer Line Upgrade and Replacement	0-2 Years	Not Funded	\$400,000	Greenup		
<a href="#">SX21089026</a>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		
<a href="#">SX21089056</a>	Sewer System Evaluation Study	0-2 Years	Not Funded	\$85,000	Greenup		
<a href="#">SX21089104</a>	Flatwoods: Upgrade 4 inch line on Rte 207 to 8 inch line	3-5 Years	Not Funded	\$15,750	Greenup		

## Greenup County (continued)

### System Summary for Greenup County Environmental Commission

Permit ID	<b>KY0048348</b>	Treats Wastewater	Yes, 0.2 MGD with 1.83 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$9.00	Total KISOP Treated (MG)	812.685
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	6	Number of Manholes	21
Institutional Customers	1	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	45%
KISOP Customers	5	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 6.13 miles (Collection: 0.00 miles, Interceptors: 6.13 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Greenup County Environmental Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21089026</b>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		
<b>SX21089078</b>	GCEC: Lagoon Aeration Equipment	3-5 Years	Not Funded	\$250,000	Greenup		

## Greenup County (continued)

### System Summary for Greenup Sewer Department

Permit ID	<a href="#">KY0026450</a>	Treats Wastewater	Yes, 1.09 MGD with 0.17 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	548
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$17.00	Total KISOP Treated (MG)	-
Residential Customers	548	Total Treated (MG)	50.530
Commercial Customers	-	Number of Manholes	70
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 9.01 miles (Collection: 8.95 miles, Interceptors: 0.06 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Greenup Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21089036</a>	Greenup: Rehab Or Replacement of Collection System	6-10 Years	Not Funded	\$5,000,000	Greenup		
<a href="#">SX21089042</a>	Greenup: Alpine Village PTP and Outfall	3-5 Years	Not Funded	\$350,000	Greenup		
<a href="#">SX21089102</a>	Greenup: City Park Force Main	3-5 Years	Partially Funded	\$70,000	Greenup		
<a href="#">SX21089037</a>	Greenup: SSES for City of Greenup	3-5 Years	Not Funded	\$50,000	Greenup		

## Greenup County (continued)

### System Summary for Raceland Sewer Department

Permit ID	<b>KYP000038</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	980
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	6	Total KISOP Sent (MG)	73.067
Cost Per 4000 Gallons	\$31.49	Total KISOP Treated (MG)	-
Residential Customers	965	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	980
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 16.20 miles (Collection: 16.11 miles, Interceptors: 0.09 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Raceland Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21089031</b>	Raceland: Sanitary Sewer Rehab Project	3-5 Years	Not Funded	\$50,000	Greenup	3	1
<b>SX21089069</b>	Raceland: Caroline Road Line Extension	3-5 Years	Not Funded	\$220,000	Greenup	7	4
<b>SX21089019</b>	Raceland: US 23 & Caroline Road Sewer Extension	3-5 Years	Not Funded	\$215,000	Greenup	15	5
<b>SX21089026</b>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		
<b>SX21089017</b>	Raceland: Cherokee Road Sewer Extension	3-5 Years	Not Funded	\$102,000	Greenup		
<b>SX21089018</b>	Raceland: Lost Canyon and Caroline Road Sewer Extension	6-10 Years	Not Funded	\$71,000	Greenup		
<b>SX21089016</b>	Raceland: Pond Run Interceptor Force Main	6-10 Years	Not Funded	\$65,300	Greenup		
<b>SX21089093</b>	Raceland: Update Systemwide SSES & I&I Study	3-5 Years	Not Funded	\$65,000	Greenup		
<b>SX21089068</b>	Raceland: Rogers Avenue Upgrade	0-2 Years	Not Funded	\$20,000	Greenup		

## Greenup County (continued)

### System Summary for Russell Sewer Department

Permit ID	<a href="#">KYP000037</a>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	570
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	43.463
Cost Per 4000 Gallons	\$17.55	Total KISOP Treated (MG)	-
Residential Customers	516	Total Treated (MG)	-
Commercial Customers	20	Number of Manholes	65
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	1	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.07 miles (Collection: 6.02 miles, Interceptors: 0.05 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Russell Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21089091</a>	Russell: Filter Backwash Project	0-2 Years	Not Funded	\$970,000	Greenup		
<a href="#">SX21089026</a>	GCEC: New Bar Screen for WWTP	0-2 Years	Not Funded	\$305,000	Greenup		

## Greenup County (continued)

### System Summary for South Shore Sewer Department

Permit ID	<b>KY0026131</b>	Treats Wastewater	Yes, 0.39 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	777
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$46.00	Total KISOP Treated (MG)	-
Residential Customers	705	Total Treated (MG)	81.225
Commercial Customers	71	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 18.12 miles (Collection: 17.71 miles, Interceptors: 0.41 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for South Shore Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21089095</b>	South Shore: Upgrade Lift Stations 4, 5, and 6	0-2 Years	Not Funded	\$753,000	Greenup	2	2
<b>SX21089100</b>	South Shore: Phase III Sewer Line Rehab	3-5 Years	Not Funded	\$725,000	Greenup		
<b>SX21089096</b>	South Shore: Upgrade Forest Heights Collection Lines	3-5 Years	Not Funded	\$648,500	Greenup		
<b>SX21089099</b>	South Shore: Phase II Sewer Line Repair	3-5 Years	Not Funded	\$534,000	Greenup		

## Greenup County (continued)

### System Summary for Worthington Sewer Department

Permit ID	<b>KY0022926</b>	Treats Wastewater	Yes, 0.2 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	681
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$27.37	Total KISOP Treated (MG)	-
Residential Customers	669	Total Treated (MG)	47,450
Commercial Customers	11	Number of Manholes	119
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	1	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 10.34 miles (Collection: 9.68 miles, Interceptors: 0.66 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Worthington Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21089005</b>	Worthington: Rehab Project to Replace Clay Pipe	3-5 Years	Not Funded	\$300,000	Greenup		
<b>SX21089063</b>	Worthington: CSO Phase 4 Project	3-5 Years	Not Funded	\$270,270	Greenup		
<b>SX21089064</b>	Worthington: CSO Phase 5 Project	3-5 Years	Not Funded	\$185,900	Greenup		
<b>SX21089003</b>	Worthington STP Belt Press	3-5 Years	Not Funded	\$120,000	Greenup		
<b>SX21089043</b>	Worthington: Calumet Causeway Sewer Project	6-10 Years	Not Funded	\$55,000	Greenup		
<b>SX21089004</b>	Worthington STP Sulfur Dioxide Drain	3-5 Years	Not Funded	\$2,000	Greenup		

## Greenup County (continued)

### System Summary for Wurtland Sewer Department

Permit ID	<b>KY0033553</b>	Treats Wastewater	Yes, 1.1 MGD with 0.59 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	469
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.00	Total KISOP Treated (MG)	-
Residential Customers	454	Total Treated (MG)	173.375
Commercial Customers	10	Number of Manholes	152
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	5	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 17.32 miles (Collection: 16.31 miles, Interceptors: 1.01 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Wurtland Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21089021</b>	Wurtland: Lloyd Sanitary Sewer Project	3-5 Years	Partially Funded	\$6,725,000	Greenup	6	3
<b>SX21089060</b>	Wurtland: Uhlen Branch Sewer Line Extension	0-2 Years	Not Funded	\$1,000,000	Greenup		
<b>SX21089074</b>	Wurtland: Phase 3 Wurtland Greenup Lloyd Regional Sewer Project	0-2 Years	Not Funded	\$687,000	Greenup		
<b>SX21089028</b>	Wurtland: Conley Subdivision Sewer Project	0-2 Years	Not Funded	\$650,000	Greenup		
<b>SX21089025</b>	Wurtland: East Park Site C	3-5 Years	Not Funded	\$630,000	Greenup		
<b>SX21089088</b>	Wurtland: Replace Blower Piping and Provide Enclosure	3-5 Years	Not Funded	\$590,000	Greenup		
<b>SX21089073</b>	Wurtland: Phase 2 Wurtland Greenup Lloyd Regional Sewer Project	0-2 Years	Partially Funded	\$533,840	Greenup		
<b>SX21089106</b>	GCFC: Force Main Project from Progressive Railroad to Wurtland	0-2 Years	Not Funded	\$527,000	Greenup		
<b>SX21089085</b>	Wurtland: Phase 2 of System Rehab	0-2 Years	Not Funded	\$500,000	Greenup		
<b>SX21089098</b>	Wurtland: New Building for The Air Blower System	0-2 Years	Not Funded	\$327,000	Greenup		
<b>SX21089094</b>	Wurtland: Industrial Parkway Sewer Service	0-2 Years	Not Funded	\$100,000	Greenup		
<b>SX21089090</b>	Wurtland: Riverside Drive Line Extension	3-5 Years	Not Funded	\$50,000	Greenup		



# Harlan County

- 2010 census population of 29,278 (13,513 households) with 41% serviceable.
- Projected 2020 population of 26,099 (change of -3,179).
- Harlan County has 100.28 miles of existing sewer lines.
- 32.00 miles of line extensions proposed in the next 10 years.
- 17.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$13,942,161.
- Estimated funding needs for projects from 6 to 10 years: \$10,947,469.



Harlan County has a 2010 census population count of 29,278 (13,513 households) with a projected 2020 population count of 26,099 (10,856 households). Public sewer is currently available to approximately 41 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,156 serviceable households will be added through the construction of 32.00 miles of sewer line extensions and approximately 4,398 instances of improved service through the rehabilitation of 17.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserviced	Underserved			
City of Benham	3	\$776,000	422	417	1.00	8.00	
City of Cumberland	5	\$4,824,457	1,323	103	5.00	1.00	
City of Evarts	3	\$6,965,000	875	425	18.00	-	
City of Harlan	2	\$4,374,616	36	2,300	1.00	2.00	
City of Loyall	1	\$1,284,500	-	391	-	2.00	
City of Lynch	2	\$1,141,588	-	762	-	4.00	
Harlan County Fiscal Court	2	\$5,523,469	500	-	7.00	-	
<b>Totals:</b>	<b>18</b>	<b>\$24,889,630</b>	<b>3,156</b>	<b>4,398</b>	<b>32.00</b>	<b>17.00</b>	

## Public Wastewater Systems in Harlan County

Note: Serviceability counts are for households within Harlan county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0025755</a>	City of Benham	Harlan	778	406
<a href="#">KY0021571</a>	City of Cumberland	Harlan	2,198	1,047
<a href="#">KY0073091</a>	City of Evarts	Harlan	1,307	483
<a href="#">KY0077615</a>	City of Evarts Turner Trailer Park	Harlan	81	43
<a href="#">KY0026093</a>	City of Harlan	Harlan	5,794	2,683
<a href="#">KY0026115</a>	City of Loyall	Harlan	748	374
<a href="#">KY0024279</a>	City of Lynch	Harlan	839	499
		<b>Totals:</b>	11,745	5,535

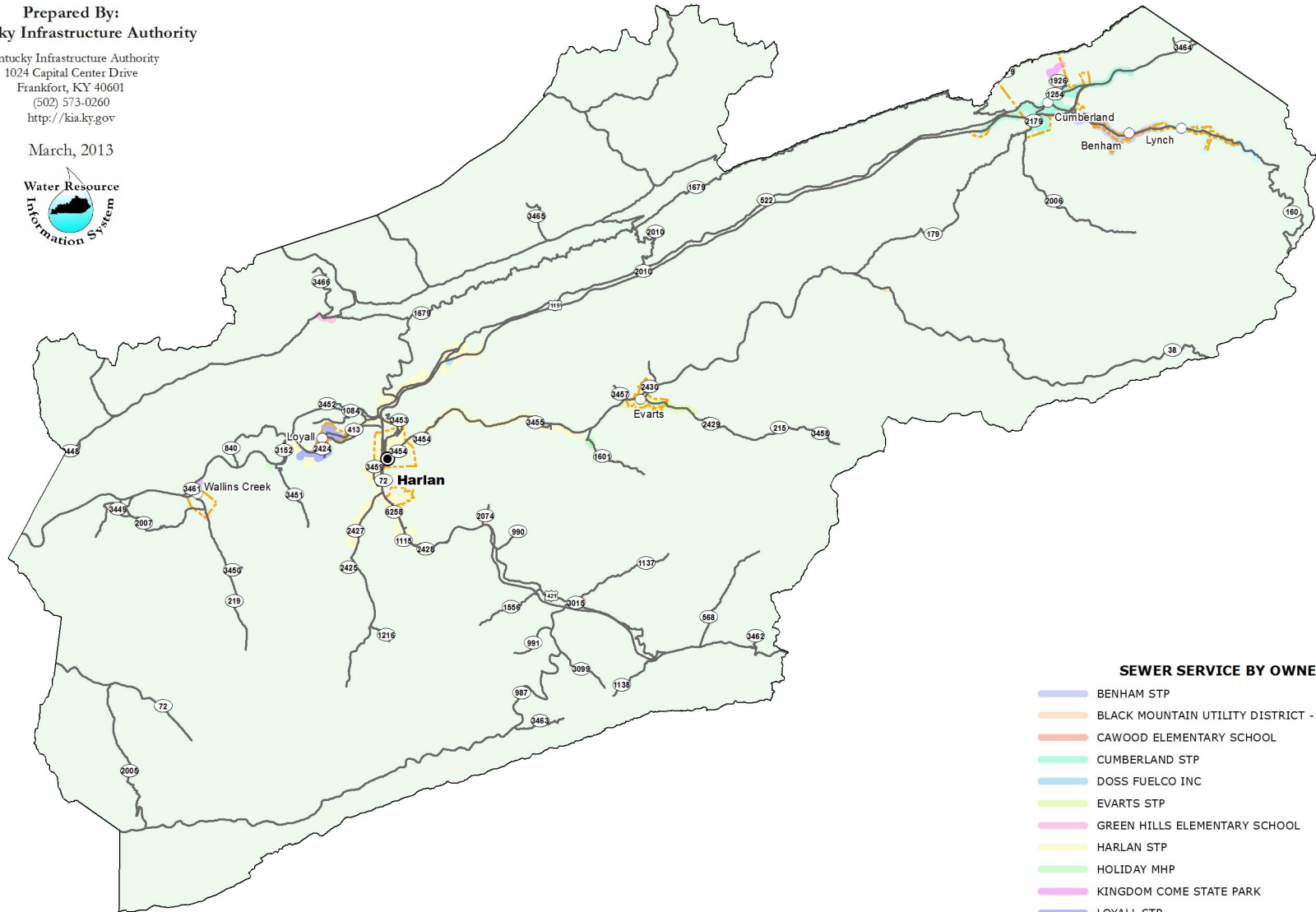
# SEWER SERVICE AREAS HARLAN COUNTY

Kentucky

Prepared By:  
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March, 2013



## SEWER SERVICE BY OWNER

- BENHAM STP
- BLACK MOUNTAIN UTILITY DISTRICT - CLOSPLINT STP
- CAWOOD ELEMENTARY SCHOOL
- CUMBERLAND STP
- DOSS FUELCO INC
- EVARTS STP
- GREEN HILLS ELEMENTARY SCHOOL
- HARLAN STP
- HOLIDAY MHP
- KINGDOM COME STATE PARK
- LOYALL STP
- LYNCH STP
- SIDS MHP
- TURNER TRAILER PARK
- WALLINS ELEMENTARY SCHOOL

## Harlan County (continued)

### System Summary for Black Mountain Utility District - Closplint

Permit ID	KY0105155	Treats Wastewater	Yes, 0.005 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$9.00	Total KISOP Treated (MG)	-
Residential Customers	26	Total Treated (MG)	0.012
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 0.02 miles (Collection: 0.00 miles, Interceptors: 0.02 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Black Mountain Utility District - Closplint**

## Harlan County (continued)

### System Summary for City of Benham

Permit ID	<b>KY0025755</b>	Treats Wastewater	Yes, 0.25 MGD with 0.27 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	408
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$35.96	Total KISOP Treated (MG)	-
Residential Customers	398	Total Treated (MG)	18.980
Commercial Customers	9	Number of Manholes	166
Institutional Customers	1	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 98% Constructed
Total Collection System Line Length = 7.81 miles (Collection: 7.77 miles, Interceptors: 0.03 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Benham

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095510</b>	City of Benham: Popular Street Sewer Replacement	3-5 Years	Not Funded	\$87,000	Harlan	30	6
<b>SX21095509</b>	City of Benham Rehabilitation	3-5 Years	Not Funded	\$450,000	Harlan		
<b>SX21095508</b>	City of Benham - Gilliam Hill Sewer Extension Project	6-10 Years	Not Funded	\$239,000	Harlan		

## Harlan County (continued)

### System Summary for City of Cumberland

Permit ID	<b>KY0021571</b>	Treats Wastewater	Yes, 0.5 MGD with 0.52 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	860
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$21.00	Total KISOP Treated (MG)	-
Residential Customers	860	Total Treated (MG)	273.750
Commercial Customers	-	Number of Manholes	260
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 14.99 miles (Collection: 14.95 miles, Interceptors: 0.03 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Cumberland

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095072</b>	City of Cumberland New Service Extensions	3-5 Years	Not Funded	\$1,562,957	Harlan		
<b>SX21095075</b>	City of Cumberland Lift Station Renovations	3-5 Years	Not Funded	\$1,506,500	Harlan		
<b>SX21095074</b>	City of Cumberland - Parker Street, Stacy Hill and Cloverlick SE	6-10 Years	Not Funded	\$620,000	Harlan		
<b>SX21095073</b>	Cumberland - Blair Sewer Project(Previously SX21095071)	3-5 Years	Not Funded	\$580,000	Harlan		
<b>SX21095009</b>	City of Cumberland Waste Water Treatment Plant Rehabilitation	0-2 Years	Not Funded	\$555,000	Harlan		

## Harlan County (continued)

### System Summary for City of Evarts

Permit ID	<b>KY0073091</b>	Treats Wastewater	Yes, 0.12 MGD with 0.85 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	550
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.50	Total KISOP Treated (MG)	-
Residential Customers	448	Total Treated (MG)	32,000
Commercial Customers	36	Number of Manholes	120
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 7.72 miles (Collection: 7.68 miles, Interceptors: 0.04 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Evarts

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095055</b>	Evarts Pride Wastewater Sewer Extension	3-5 Years	Not Funded	\$600,000	Harlan	19	4
<b>SX21095053</b>	City of Evarts Wastewater Collection and Treatment Plant Expansion	6-10 Years	Not Funded	\$5,000,000	Harlan		
<b>SX21095054</b>	Evarts - Pride Wastewater Construction Program	6-10 Years	Not Funded	\$1,365,000	Harlan		

## Harlan County (continued)

### System Summary for City of Evarts Turner Trailer Park

Permit ID	KY0077615	Treats Wastewater	Yes, 0.0099 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.33 miles (Collection: 0.31 miles, Interceptors: 0.02 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for City of Evarts Turner Trailer Park**

## Harlan County (continued)

### System Summary for City of Harlan

Permit ID	<b>KY0026093</b>	Treats Wastewater	Yes, 1.2 MGD with 0.47 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,710
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.02	Total KISOP Treated (MG)	-
Residential Customers	1,326	Total Treated (MG)	136.488
Commercial Customers	378	Number of Manholes	410
Institutional Customers	4	Number of Lift Stations	10
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 52.36 miles (Collection: 52.36 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Harlan

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095050</b>	Harlan: Sanitary Sewer - Combined Sewer Rehabilitation	0-2 Years	Partially Funded	\$3,501,500	Harlan	6	2
<b>SX21095008</b>	U.S. 119 Fourmile - Wallins Sanitary Sewer Extension	0-2 Years	Not Funded	\$1,800,000	Harlan	32	5
<b>SX21095006</b>	Sukey Ridge - Airport Road	6-10 Years	Not Funded	\$3,723,469	Harlan		
<b>SX21095005</b>	Harlan - Catrons Creek Sewer Phase 3 - Caball Estate Sanitary Sewer	0-2 Years	Not Funded	\$873,116	Harlan		



## Harlan County (continued)

### System Summary for City of Loyall

Permit ID	<b>KY0026115</b>	Treats Wastewater	Yes, 0.185 MGD with 0.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	391
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$20.98	Total KISOP Treated (MG)	-
Residential Customers	391	Total Treated (MG)	32.000
Commercial Customers	-	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	65%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 6.68 miles (Collection: 6.66 miles, Interceptors: 0.02 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Loyall

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095004</b>	City of Loyall - wastewater Line Replacement Project Phase 3	3-5 Years	Not Funded	\$1,284,500	Harlan	2	1

## Harlan County (continued)

### System Summary for City of Lynch

Permit ID	<b>KY0024279</b>	Treats Wastewater	Yes, 0.2 MGD with 0.35 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	377
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.00	Total KISOP Treated (MG)	-
Residential Customers	368	Total Treated (MG)	87.756
Commercial Customers	4	Number of Manholes	213
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 9.04 miles (Collection: 9.04 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Lynch

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21095061</b>	Lynch: Wastewater Rehabilitation	0-2 Years	Partially Funded	\$1,112,488	Harlan	8	3
<b>SX21095011</b>	Lynch Sewer Treatment Plant Flow Meters & Valve	0-2 Years	Not Funded	\$29,100	Harlan		

## Harlan County (continued)

### System Summary for Closplint Area WWTP

Permit ID	KY0107409	Treats Wastewater	Yes, 0.024 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	6	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

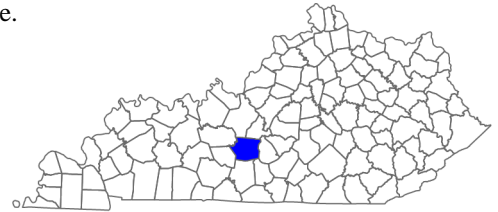
MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Closplint Area WWTP**

# Hart County

- 2010 census population of 18,199 (8,559 households) with 28% serviceable.
- Projected 2020 population of 18,690 (change of 491).
- Hart County has 60.50 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,850,000.
- There are no projects planned from 6 to 10 years.



Hart County has a 2010 census population count of 18,199 (8,559 households) with a projected 2020 population count of 18,690 (7,604 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 5 serviceable households will be added through the construction of 1.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Caveland Environmental Authority	1	\$400,000	5	-	1.00	-	
City of Munfordville	1	\$1,450,000	-	-	-	-	
<b>Totals:</b>	<b>2</b>	<b>\$1,850,000</b>	<b>5</b>	<b>-</b>	<b>1.00</b>	<b>-</b>	

## Public Wastewater Systems in Hart County

Note: Serviceability counts are for households within Hart county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0091561</a>	Caveland Environmental Authority	Hart	3,286	1,587
<a href="#">KY0031755</a>	Munfordville Municipal Water/Sewer Commission	Hart	1,574	775
		<b>Totals:</b>	4,860	2,362

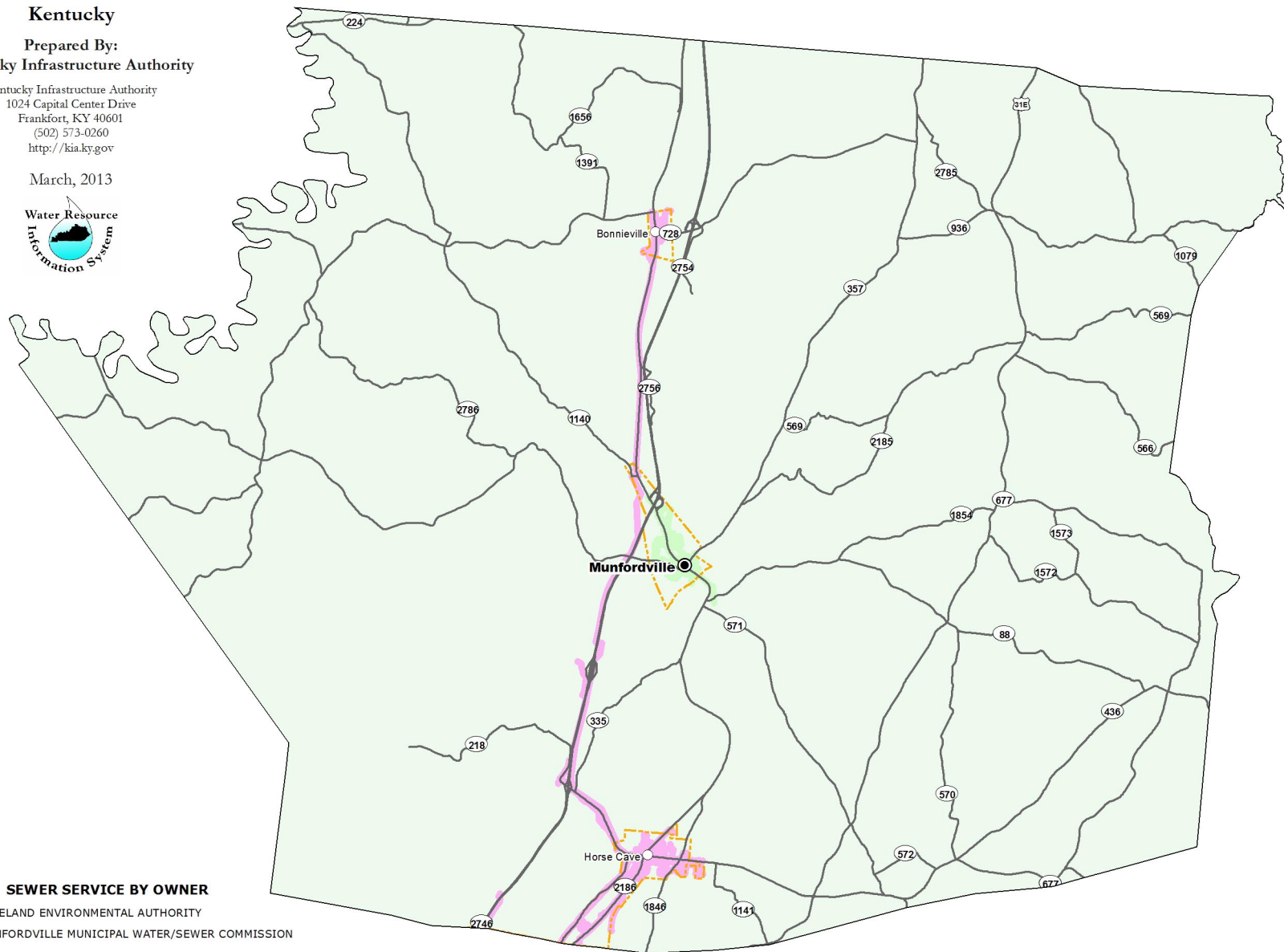
## SEWER SERVICE AREAS HART COUNTY

Kentucky

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Kentucky Infrastructure Authority

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March, 2013



## Hart County (continued)

### System Summary for Caveland Environmental Authority

Permit ID	<b>KY0091561</b>	Treats Wastewater	Yes, 0.88 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,976
Owner Type	Joint Sewer Agency	KISOP Sender	No
Employees	16	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$55.32	Total KISOP Treated (MG)	-
Residential Customers	2,107	Total Treated (MG)	171.185
Commercial Customers	374	Number of Manholes	1047
Institutional Customers	9	Number of Lift Stations	43
Industrial Customers	16	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 65% Constructed
Total Collection System Line Length = 113.04 miles (Collection: 113.04 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Caveland Environmental Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21061009</b>	Edmonson County Water District - Collection System Phase III	3-5 Years	Not Funded	\$7,843,771	Edmonson	10	1
<b>SX21009044</b>	Caveland Environmental - Hiseville School Sewer Project	3-5 Years	Not Funded	\$1,000,000	Barren	11	2
<b>SX21009045</b>	Caveland Environmental - Cave City Replacement	0-2 Years	Not Funded	\$900,000	Barren	21	3
<b>SX21009049</b>	CEA - Cave City WWTP Improvements	3-5 Years	Not Funded	\$505,000	Barren	31	4

## Hart County (continued)

### System Summary for Munfordville Municipal Water/Sewer Commission

Permit ID	<b>KY0031755</b>	Treats Wastewater	Yes, 0.26 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	491
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$18.80	Total KISOP Treated (MG)	-
Residential Customers	393	Total Treated (MG)	29,200
Commercial Customers	96	Number of Manholes	500
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	2	Percent Lines 20 yrs or Older	50%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 14.92 miles (Collection: 14.38 miles, Interceptors: 0.55 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Munfordville Municipal Water/Sewer Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21099006</b>	Caveland Environmental - Sewer Service to Rolling Hills Community	3-5 Years	Not Funded	\$400,000	Hart	9	1
<b>SX21099021</b>	City of Munfordville - SSES and Stormwater Inflow Removal Project	3-5 Years	Not Funded	\$1,450,000	Hart	18	2
<b>SX21009039</b>	CEA - 90 East	0-2 Years	Not Funded	\$460,000	Barren		

# Jackson County

- 2010 census population of 13,494 (6,523 households) with 8% serviceable.
- Projected 2020 population of 13,771 (change of 277).
- Jackson County has 10.69 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- There are no projects planned from 0 to 5 years.
- There are no projects planned from 6 to 10 years.



Jackson County has a 2010 census population count of 13,494 (6,523 households) with a projected 2020 population count of 13,771 (5,961 households). Public sewer is currently available to approximately 8 percent of the county's households based on 2010 census counts. There are no projects proposed for this county over the next 10 years.

## Public Wastewater Systems in Jackson County

Note: Serviceability counts are for households within Jackson county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0034444</a>	City of McKee	Jackson	886	487
		<b>Totals:</b>	886	487



# SEWER SERVICE AREAS JACKSON COUNTY

Kentucky

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March, 2013



- SEWER SERVICE BY OWNER**
- ANNVILLE INSTITUTE
  - JACKSON CO REGIONAL IND PARK
  - JACKSON MANOR
  - MCKEE STP
  - SAND GAP ELEM SCHOOL
  - TYNER ELEM SCHOOL



## Jackson County (continued)

### System Summary for City of McKee

Permit ID	<b>KY0034444</b>	Treats Wastewater	Yes, 0.17 MGD with 0.36 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	239
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$34.07	Total KISOP Treated (MG)	-
Residential Customers	139	Total Treated (MG)	37.000
Commercial Customers	69	Number of Manholes	110
Institutional Customers	31	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 10.31 miles (Collection: 10.00 miles, Interceptors: 0.32 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for City of McKee**

# Johnson County

- 2010 census population of 23,356 (10,624 households) with 28% serviceable.
- Projected 2020 population of 23,265 (change of -91).
- Johnson County has 52.23 miles of existing sewer lines.
- 6.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$18,173,900.
- There are no projects planned from 6 to 10 years.



Johnson County has a 2010 census population count of 23,356 (10,624 households) with a projected 2020 population count of 23,265 (9,647 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 414 serviceable households will be added through the construction of 6.00 miles of sewer line extensions and approximately 73 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Paintsville Utility Commission	6	\$18,173,900	414	73	6.00	1.00	
<b>Totals:</b>	<b>6</b>	<b>\$18,173,900</b>	<b>414</b>	<b>73</b>	<b>6.00</b>	<b>1.00</b>	

## Public Wastewater Systems in Johnson County

Note: Serviceability counts are for households within Johnson county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0103578</a>	Paintsville Utilities Commission - Honey Branch	Johnson	1,210	536
<a href="#">KY0020630</a>	Paintsville Utilities Commission - Paintsville STP	Johnson	5,008	2,420
		<b>Totals:</b>	6,218	2,956

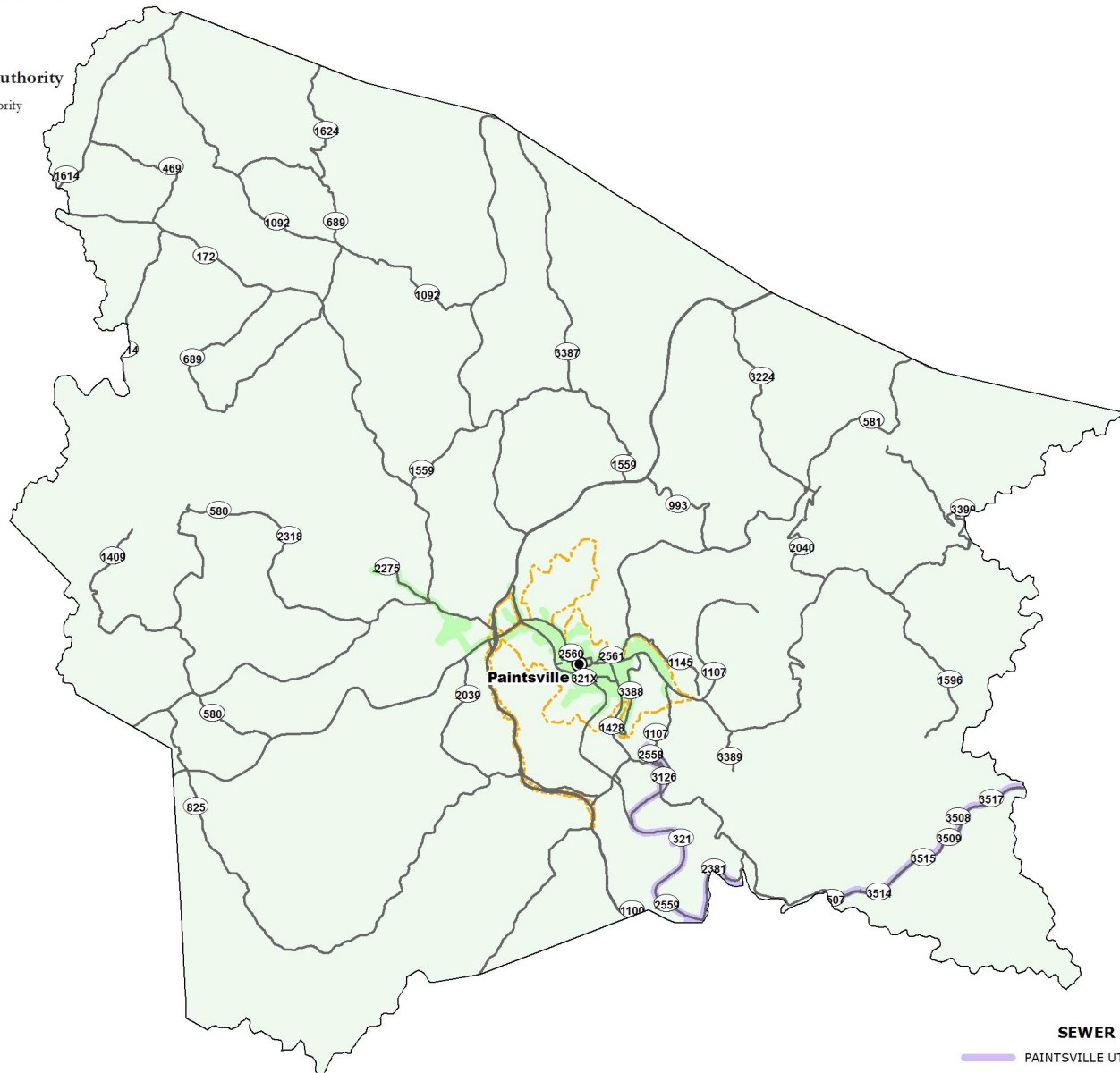
## SEWER SERVICE AREAS JOHNSON COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- PAINTSVILLE UTILITIES COMMISSION - HONEY BRANCH
- PAINTSVILLE UTILITIES COMMISSION - PAINTSVILLE STP

## Johnson County (continued)

### System Summary for Bush Gardens Subdivision

Permit ID	<b>KY0103853</b>	Treats Wastewater	Yes, 0.008 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Bush Gardens Subdivision**

## Johnson County (continued)

### System Summary for Homestead Estates

Permit ID	<b>KY0105066</b>	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Homestead Estates**

## Johnson County (continued)

### System Summary for Neal Price Subdivision

Permit ID	<b>KY0097225</b>	Treats Wastewater	Yes, 0.0025 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Neal Price Subdivision**

## Johnson County (continued)

### System Summary for Paintsville Utilities Commission - Honey Branch

Permit ID	<b>KY0103578</b>	Treats Wastewater	Yes, 1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	345
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.48	Total KISOP Treated (MG)	-
Residential Customers	340	Total Treated (MG)	124.000
Commercial Customers	4	Number of Manholes	95
Institutional Customers	1	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 22.92 miles (Collection: 22.80 miles, Interceptors: 0.12 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Paintsville Utilities Commission - Honey Branch

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21115510</b>	Paintsville Utilities Powell Addition Sewer Project	3-5 Years	Not Funded	\$2,750,000	Johnson	8	2
<b>SX21115010</b>	American Standard Area	0-2 Years	Not Funded	\$1,350,000	Johnson		



## Johnson County (continued)

### System Summary for Paintsville Utilities Commission - Paintsville STP

Permit ID	<b>KY0020630</b>	Treats Wastewater	Yes, 0.99 MGD with 0.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,335
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.48	Total KISOP Treated (MG)	-
Residential Customers	3,950	Total Treated (MG)	201.600
Commercial Customers	405	Number of Manholes	617
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 38.57 miles (Collection: 38.52 miles, Interceptors: 0.05 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Paintsville Utilities Commission - Paintsville STP

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21115008</b>	Paintsville WWTP I & I Removal Project Phase I & III	0-2 Years	Not Funded	\$7,148,900	Johnson	1	1
<b>SX21115004</b>	Paintsville Utility Commission Sewer Line Extension Boyd Branch and Muddy Branch Thealka	3-5 Years	Not Funded	\$2,560,000	Johnson		
<b>SX21115005</b>	Paintsville Utility Commission Sewer Line Extension Thelma	0-2 Years	Not Funded	\$2,500,000	Johnson		
<b>SX21115512</b>	Paintsville City Utilities - Line Ext Hager Hill Loop & Arlen Heights	0-2 Years	Not Funded	\$1,865,000	Johnson		

## Johnson County (continued)

### System Summary for River Road Disposal System

Permit ID	<b>KY0094129</b>	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.48	Total KISOP Treated (MG)	-
Residential Customers	10	Total Treated (MG)	0.370
Commercial Customers	-	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for River Road Disposal System**

## Johnson County (continued)

### System Summary for Thelma Waste Control Inc #1

Permit ID	<b>KY0083208</b>	Treats Wastewater	Yes, 0.02 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.48	Total KISOP Treated (MG)	-
Residential Customers	54	Total Treated (MG)	2.000
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Thelma Waste Control Inc #1**

## Johnson County (continued)

### System Summary for Thelma Waste Control Inc #2

Permit ID	<b>KY0083895</b>	Treats Wastewater	Yes, 0.004 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.48	Total KISOP Treated (MG)	-
Residential Customers	6	Total Treated (MG)	0.219
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Thelma Waste Control Inc #2**

# Knott County

- 2010 census population of 16,346 (7,461 households) with 12% serviceable.
- Projected 2020 population of 15,635 (change of -711).
- Knott County has 22.74 miles of existing sewer lines.
- 19.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$12,697,348.
- There are no projects planned from 6 to 10 years.



Knott County has a 2010 census population count of 16,346 (7,461 households) with a projected 2020 population count of 15,635 (6,332 households). Public sewer is currently available to approximately 12 percent of the county's households based on 2010 census counts. Over the next ten years approximately 623 serviceable households will be added through the construction of 19.00 miles of sewer line extensions and approximately 287 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Knott County Water & Sewer District	2	\$972,923	-	237	-	2.00	
Troublesome Creek Environmental Authority	6	\$11,724,425	623	50	19.00	-	
<b>Totals:</b>	<b>8</b>	<b>\$12,697,348</b>	<b>623</b>	<b>287</b>	<b>19.00</b>	<b>2.00</b>	

## Public Wastewater Systems in Knott County

Note: Serviceability counts are for households within Knott county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0027685</a>	Hindman Wastewater	Knott	1,301	618
<a href="#">KY0042854</a>	Knott County Water and Sewer District	Knott	547	107
<a href="#">KY0107956</a>	Troublesome Creek Environmental Authority (Ball Creek)	Knott	264	121
<a href="#">KY0060259</a>	Vicco Wastewater	Perry	87	40
		<b>Totals:</b>	2,199	886

## SEWER SERVICE AREAS KNOTT COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- CARR CREEK STATE PARK
- HINDMAN WASTEWATER
- KNOTT COUNTY WATER AND SEWER DISTRICT
- TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY (BALL CREEK)
- VICCO WASTEWATER

## Knott County (continued)

### System Summary for Hindman Wastewater

Permit ID	<b>KY0027685</b>	Treats Wastewater	Yes, 0.12 MGD with 0.147 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	807
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$34.30	Total KISOP Treated (MG)	-
Residential Customers	807	Total Treated (MG)	53.487
Commercial Customers	-	Number of Manholes	80
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 13.44 miles (Collection: 13.44 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Hindman Wastewater**

## Knott County (continued)

### System Summary for Knott County Water and Sewer District

Permit ID	<a href="#">KY0042854</a>	Treats Wastewater	Yes, 0.1 MGD with 0.1 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	130
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.56	Total KISOP Treated (MG)	-
Residential Customers	129	Total Treated (MG)	36.500
Commercial Customers	1	Number of Manholes	35
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.30 miles (Collection: 2.30 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Knott County Water and Sewer District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21119005</a>	Knott County Sewer Rehabilitation Project	3-5 Years	Partially Funded	\$945,900	Knott	13	2
<a href="#">SX21119011</a>	Pippa Passes WWTP Improvements Project	0-2 Years	Not Funded	\$27,023	Knott		
<a href="#">SX21119010</a>	Ball Creek WWTP Improvements Project	0-2 Years	Not Funded	\$26,402	Knott		



## Knott County (continued)

### System Summary for Troublesome Creek Environmental Authority (Ball Creek)

Permit ID	<b>KY0107956</b>	Treats Wastewater	Yes, 0.1 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	51
Owner Type	Governmental Non-Profit Sewer Utility	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$40.00	Total KISOP Treated (MG)	-
Residential Customers	50	Total Treated (MG)	0.029
Commercial Customers	1	Number of Manholes	25
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.03 miles (Collection: 6.03 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Troublesome Creek Environmental Authority (Ball Creek)

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21119811</b>	TEA - Ball Creek WWTP and Lines Phase II	0-2 Years	Partially Funded	\$1,633,333	Knott	2	1
<b>SX21193051</b>	TEA - Perry County Sewer Project Phase I	3-5 Years	Partially Funded	\$4,689,780	Perry		3
<b>SX21119008</b>	Phoenix Place Wastewater Line Extension	3-5 Years	Not Funded	\$893,960	Knott		3
<b>SX21119007</b>	Talcum Wastewater Line Extension	3-5 Years	Not Funded	\$3,937,260	Knott		4
<b>SX21193007</b>	Homeplace Clinic Wastewater Line Extension	3-5 Years	Not Funded	\$2,593,460	Perry		4
<b>SX21119009</b>	Possum Trot Wastewater Line Extension	3-5 Years	Not Funded	\$2,640,010	Knott		5
<b>SX21025030</b>	TEA - Breathitt County WWTP and Collection Lines Phase I	3-5 Years	Partially Funded	\$4,580,650	Breathitt		6
<b>SX21119010</b>	Ball Creek WWTP Improvements Project	0-2 Years	Not Funded	\$26,402	Knott		

# Knox County

- 2010 census population of 31,883 (14,485 households) with 32% serviceable.
- Projected 2020 population of 32,132 (change of 249).
- Knox County has 78.85 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- 12.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,856,109.
- Estimated funding needs for projects from 6 to 10 years: \$6,481,337.



Knox County has a 2010 census population count of 31,883 (14,485 households) with a projected 2020 population count of 32,132 (13,362 households). Public sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 238 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 2,200 instances of improved service through the rehabilitation of 12.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Barbourville Utility Commission	2	\$2,856,109	20	2,200	3.00	12.00	
Corbin Utilities Commission	1	\$163,337	38	-	-	-	
Knox County Fiscal Court	2	\$5,068,000	110	-	2.00	-	
Knox County Utility Commission	1	\$1,250,000	70	-	4.00	-	
<b>Totals:</b>	<b>6</b>	<b>\$9,337,446</b>	<b>238</b>	<b>2,200</b>	<b>9.00</b>	<b>12.00</b>	

## Public Wastewater Systems in Knox County

Note: Serviceability counts are for households within Knox county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0024082</a>	Barbourville Utility Commission	Knox	5,604	2,546
<a href="#">KYP000074</a>	Knox County Utility Commission	Knox	113	60
<a href="#">KY0020133</a>	Corbin Utilities Commission	Laurel	4,168	2,026
		<b>Totals:</b>	<b>9,885</b>	<b>4,632</b>



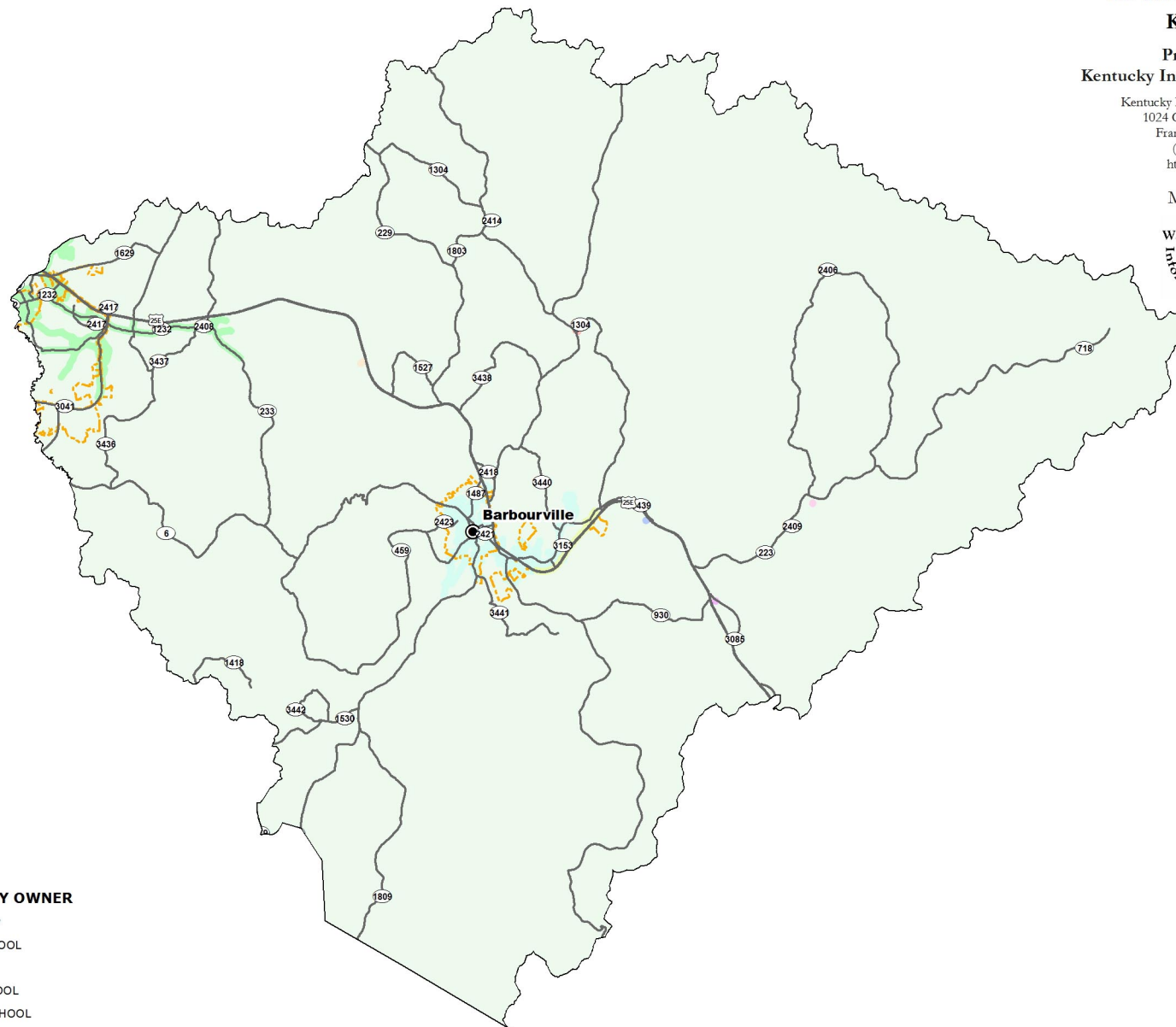
# SEWER SERVICE AREAS KNOX COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
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Frankfort, KY 40601  
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March, 2013



## SEWER SERVICE BY OWNER

- BARBOURVILLE STP
- BOSTON ELEM SCHOOL
- CORBIN STP
- DEWITT ELEM SCHOOL
- FLAT LICK ELEM SCHOOL
- GIRDLER ELEM SCHOOL
- JACKSON MANCHINE SALES INC
- KNOX COUNTY UTILITY COMMISSION

## Knox County (continued)

### System Summary for Barbourville Utility Commission

Permit ID	<a href="#">KY0024082</a>	Treats Wastewater	Yes, 1 MGD with 0.67 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,100
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$10.10	Total KISOP Treated (MG)	0.960
Residential Customers	1,790	Total Treated (MG)	365.000
Commercial Customers	400	Number of Manholes	643
Institutional Customers	-	Number of Lift Stations	23
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 42.87 miles (Collection: 42.53 miles, Interceptors: 0.34 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Barbourville Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21121133</a>	Barbourville: Sewer Rehab	3-5 Years	Not Funded	\$1,856,109	Knox	9	1
<a href="#">SX21121138</a>	City of Barbourville - Heidrick Sanitary	0-2 Years	Partially Funded	\$1,000,000	Knox	11	2

## Knox County (continued)

### System Summary for Knox County Utility Commission

Permit ID	KYP000074	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	0.960
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	531.984
Commercial Customers	-	Number of Manholes	15
Institutional Customers	1	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 2.75 miles (Collection: 0.91 miles, Interceptors: 1.84 miles ).			

MG = Million Gallons.

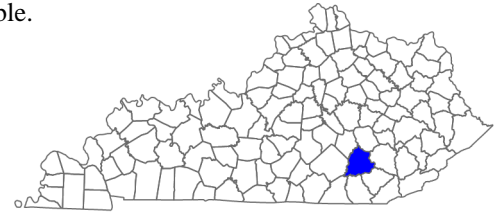
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Knox County Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21121504</a>	Artemus Sewer Ext.	6-10 Years	Not Funded	\$3,753,000	Knox		
<a href="#">SX21121501</a>	Knox County (Bimble) Sewer Extension	6-10 Years	Not Funded	\$1,250,000	Knox		

# Laurel County

- 2010 census population of 58,849 (25,446 households) with 37% serviceable.
- Projected 2020 population of 64,713 (change of 5,864).
- Laurel County has 222.16 miles of existing sewer lines.
- 512.00 miles of line extensions proposed in the next 10 years.
- 9.00 miles of line rehabilitation proposed in the next 10 years.
- 37.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$79,520,945.
- Estimated funding needs for projects from 6 to 10 years: \$29,905,605.



Laurel County has a 2010 census population count of 58,849 (25,446 households) with a projected 2020 population count of 64,713 (26,415 households). Public sewer is currently available to approximately 37 percent of the county's households based on 2010 census counts. Over the next ten years approximately 12,628 serviceable households will be added through the construction of 512.00 miles of sewer line extensions and approximately 8,207 instances of improved service through the rehabilitation of 9.00 miles of existing sewer lines and other appurtenances. 37.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserviced	Underserved			
City of London	1	\$1,100,000	-	-	-	-	-
Corbin Utilities Commission	4	\$16,456,010	457	4,372	38.00	-	-
East Laurel Water District	20	\$34,193,889	4,908	3,500	255.00	-	-
Knox County Fiscal Court	1	\$1,315,000	30	-	-	-	-
London Utility Commission	9	\$10,214,912	484	335	15.00	9.00	-
West Laurel Water Association Inc	14	\$30,396,739	4,736	-	197.00	-	-
Wood Creek Water District	3	\$15,750,000	2,013	-	7.00	-	-
<b>Totals:</b>	<b>52</b>	<b>\$109,426,550</b>	<b>12,628</b>	<b>8,207</b>	<b>512.00</b>	<b>9.00</b>	-

## Public Wastewater Systems in Laurel County

Note: Serviceability counts are for households within Laurel county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020133</a>	Corbin Utilities Commission	Laurel	3,007	1,351
<a href="#">KY0021270</a>	London Utility Commission	Laurel	12,410	5,604
<a href="#">KYP000063</a>	Wood Creek Water District	Laurel	4,908	2,227
		<b>Totals:</b>	20,325	9,182

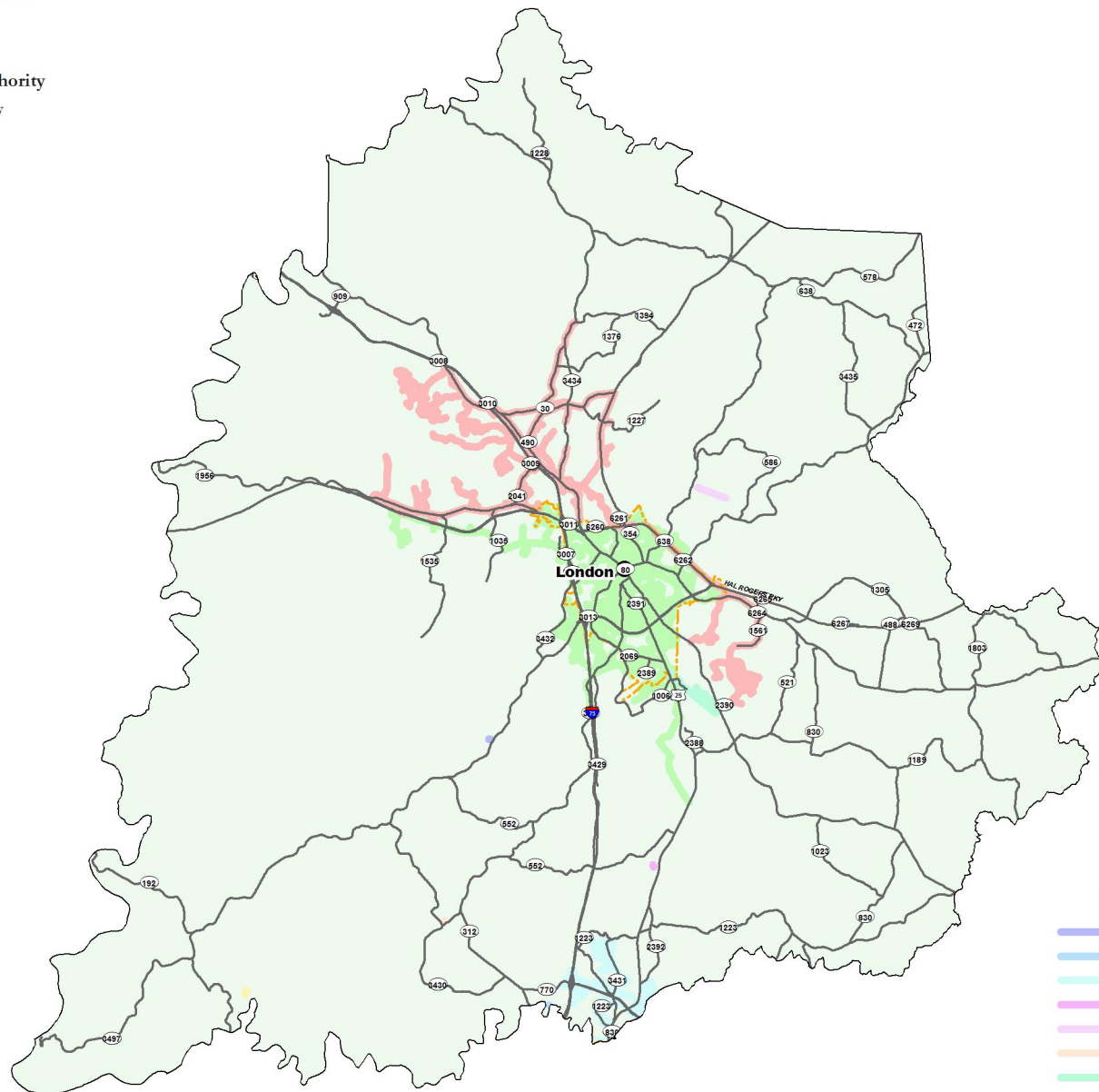
# SEWER SERVICE AREAS LAUREL COUNTY

Kentucky

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March, 2013



## SEWER SERVICE BY OWNER

- COLD HILL ELEM SCHOOL
- CORBIN KOA CAMPGROUND
- CORBIN STP
- CORNERSTONE CHRISTIAN SCHOOL
- JOHNSON ELEM SCHOOL
- KEAVY ELEMENTARY
- LEVI JACKSON WILDERNESS STATE PARK
- LONDON STP
- USDA FOREST SERVICE HOLLY BAY
- WOOD CREEK WATER DISTRICT

## Laurel County (continued)

### System Summary for Corbin Utilities Commission

Permit ID	<b>KY0020133</b>	Treats Wastewater	Yes, 4.5 MGD with 2.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,029
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	36	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$14.14	Total KISOP Treated (MG)	-
Residential Customers	3,473	Total Treated (MG)	912.500
Commercial Customers	891	Number of Manholes	900
Institutional Customers	-	Number of Lift Stations	28
Industrial Customers	8	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 108.67 miles (Collection: 108.62 miles, Interceptors: 0.06 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Corbin Utilities Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21235006</b>	Tattersall Subdivision Sanitary Sewer Extension	3-5 Years	Not Funded	\$4,732,000	Whitley	14	3
<b>SX21235117</b>	Corbin Wastewater Treatment Plant Upgrade Improvements	3-5 Years	Partially Funded	\$9,184,115	Laurel	18	6
<b>SX21125115</b>	Sanitary Sewer Collection System to Serve Sandy Hills Subdivision	3-5 Years	Not Funded	\$231,475	Laurel	33	7
<b>SX21125110</b>	City of Corbin Laurel Wastewater Extension	3-5 Years	Partially Funded	\$6,792,400	Laurel		
<b>SX21121506</b>	North Corbin Sewer Ext.	6-10 Years	Not Funded	\$1,315,000	Knox		
<b>SX21125113</b>	Corbin - Sanitary Sewer Collection System to Serve Dantley Drive	6-10 Years	Not Funded	\$1,117,725	Whitley		
<b>SX21253111</b>	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greenda	3-5 Years	Not Funded	\$248,020	Laurel		
<b>SX21125114</b>	Corbin: Sanitary Sewer Service Along London Avenue, Haskew Avenu	6-10 Years	Not Funded	\$163,337	Knox		



## Laurel County (continued)

### System Summary for London Utility Commission

Permit ID	<b>KY0021270</b>	Treats Wastewater	Yes, 5 MGD with 2.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,293
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	30	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$23.93	Total KISOP Treated (MG)	54.514
Residential Customers	3,209	Total Treated (MG)	839.000
Commercial Customers	1,096	Number of Manholes	2091
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	9	Percent Lines 20 yrs or Older	50%
KISOP Customers	1	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 127.34 miles (Collection: 126.73 miles, Interceptors: 0.61 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for London Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21125519</b>	London - Phase I to Serve The Area Between Park Road (KY 3432) and I-75	3-5 Years	Not Funded	\$918,450	Laurel	24	4
<b>SX21125516</b>	London Utility Commission - Sunshine Hills Area Phase I	6-10 Years	Not Funded	\$605,800	Laurel	26	2
<b>SX21125001</b>	London Sanitary Sewer Rehab	3-5 Years	Not Funded	\$3,765,250	Laurel		
<b>SX21125520</b>	London - Phase II to Serve The Area Between Parker Road and KY 192	3-5 Years	Not Funded	\$2,258,520	Laurel		
<b>SX21125004</b>	Storm Water Project - Sampson Branch	3-5 Years	Not Funded	\$1,100,000	Laurel		
<b>SX21125215</b>	Laurel County Sanitation District - KY Hwy 363 and Elementary Sc	3-5 Years	Not Funded	\$958,737	Laurel		
<b>SX21125518</b>	London - Sunshine Hills Sanitary Sewer Extension Phase III	3-5 Years	Not Funded	\$709,800	Laurel		
<b>SX21125002</b>	South US 25 Force Main Sewer	3-5 Years	Not Funded	\$588,132	Laurel		
<b>SX21125517</b>	London - Sunshine Hills Sanitary Sewer Extension Phase II	3-5 Years	Not Funded	\$572,000	Laurel		
<b>SX21125566</b>	London - Phase III to Serve Areas Along KY 363 and KY 1006	3-5 Years	Not Funded	\$492,960	Laurel		
<b>SX21125321</b>	Cross Keys Sewers - Phase II	3-5 Years	Not Funded	\$304,000	Laurel		

## Laurel County (continued)

### System Summary for Wood Creek Water District

Permit ID	KYP000063	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,020
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	42	Total KISOP Sent (MG)	54.514
Cost Per 4000 Gallons	\$21.24	Total KISOP Treated (MG)	-
Residential Customers	841	Total Treated (MG)	54.514
Commercial Customers	179	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 71.19 miles (Collection: 67.49 miles, Interceptors: 3.70 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Wood Creek Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21125151</a>	Wood Creek Wastewater Treatment Facilities	3-5 Years	Not Funded	\$4,000,000	Laurel	15	1
<a href="#">SX21125318</a>	East Laurel Water District - Wastewater Line Extensions #18	3-5 Years	Not Funded	\$1,199,266	Laurel	17	3
<a href="#">SX21125322</a>	WCWD - Unserved Customers In Lake Watershed	3-5 Years	Not Funded	\$10,150,000	Laurel	28	5
<a href="#">SX21125200</a>	WLWA - Wastewater Line Extension #1 & Wastewater Treatment Plant	3-5 Years	Not Funded	\$5,850,024	Laurel		
<a href="#">SX21125203</a>	WLWA - Wastewater Line Extension #4	6-10 Years	Not Funded	\$2,773,314	Laurel		
<a href="#">SX21125212</a>	WLWA - Wastewater Line Extension #13	6-10 Years	Not Funded	\$2,552,923	Laurel		
<a href="#">SX21125205</a>	WLWA - Wastewater Line Extension #6	6-10 Years	Not Funded	\$2,437,991	Laurel		
<a href="#">SX21125201</a>	WLWA - Wastewater Line Extension #2	3-5 Years	Not Funded	\$2,227,454	Laurel		
<a href="#">SX21125300</a>	East Laurel Water District - Wastewater Treatment Plant	6-10 Years	Not Funded	\$2,100,080	Laurel		
<a href="#">SX21125315</a>	East Laurel Water District - Wastewater Line Extensions #15	6-10 Years	Not Funded	\$2,059,002	Laurel		
<a href="#">SX21125302</a>	East Laurel Water District - Wastewater Line Extension #2	3-5 Years	Not Funded	\$1,979,872	Laurel		
<a href="#">SX21125311</a>	East Laurel Water District - Wastewater Line Extensions #11	3-5 Years	Not Funded	\$1,974,118	Laurel		
<a href="#">SX21125301</a>	East Laurel Water District - Wastewater Line Extension #1	3-5 Years	Partially Funded	\$1,959,446	Laurel		
<a href="#">SX21125206</a>	WLWA - Wastewater Line Extension #7	6-10 Years	Not Funded	\$1,951,567	Laurel		
<a href="#">SX21125309</a>	East Laurel Water District - Wastewater Line Extension #9	3-5 Years	Not Funded	\$1,939,067	Laurel		
<a href="#">SX21125307</a>	East Laurel Water District - Wastewater Line Extensions #7	3-5 Years	Not Funded	\$1,912,863	Laurel		
<a href="#">SX21125312</a>	East Laurel Water District - Wastewater Line Extensions #12	3-5 Years	Not Funded	\$1,903,037	Laurel		
<a href="#">SX21125208</a>	WLWA - Wastewater Line Extension #9	6-10 Years	Not Funded	\$1,876,722	Laurel		

# Lawrence County

- 2010 census population of 15,860 (7,286 households) with 27% serviceable.
- Projected 2020 population of 16,192 (change of 332).
- Lawrence County has 41.16 miles of existing sewer lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$13,983,260.
- There are no projects planned from 6 to 10 years.



Lawrence County has a 2010 census population count of 15,860 (7,286 households) with a projected 2020 population count of 16,192 (6,647 households). Public sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 426 serviceable households will be added through the construction of 10.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Lawrence County Fiscal Court	1	\$1,500,000	-	-	-	-	-
Louisa Water and Sewer Commission	3	\$12,483,260	426	-	10.00	-	-
<b>Totals:</b>	<b>4</b>	<b>\$13,983,260</b>	<b>426</b>	<b>-</b>	<b>10.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Lawrence County

Note: Serviceability counts are for households within Lawrence county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KYP000061</a>	Lawrence County Fiscal Court	Lawrence	820	353
<a href="#">KY0027961</a>	Louisa Sewer Department	Lawrence	3,419	1,581
		<b>Totals:</b>	<b>4,239</b>	<b>1,934</b>

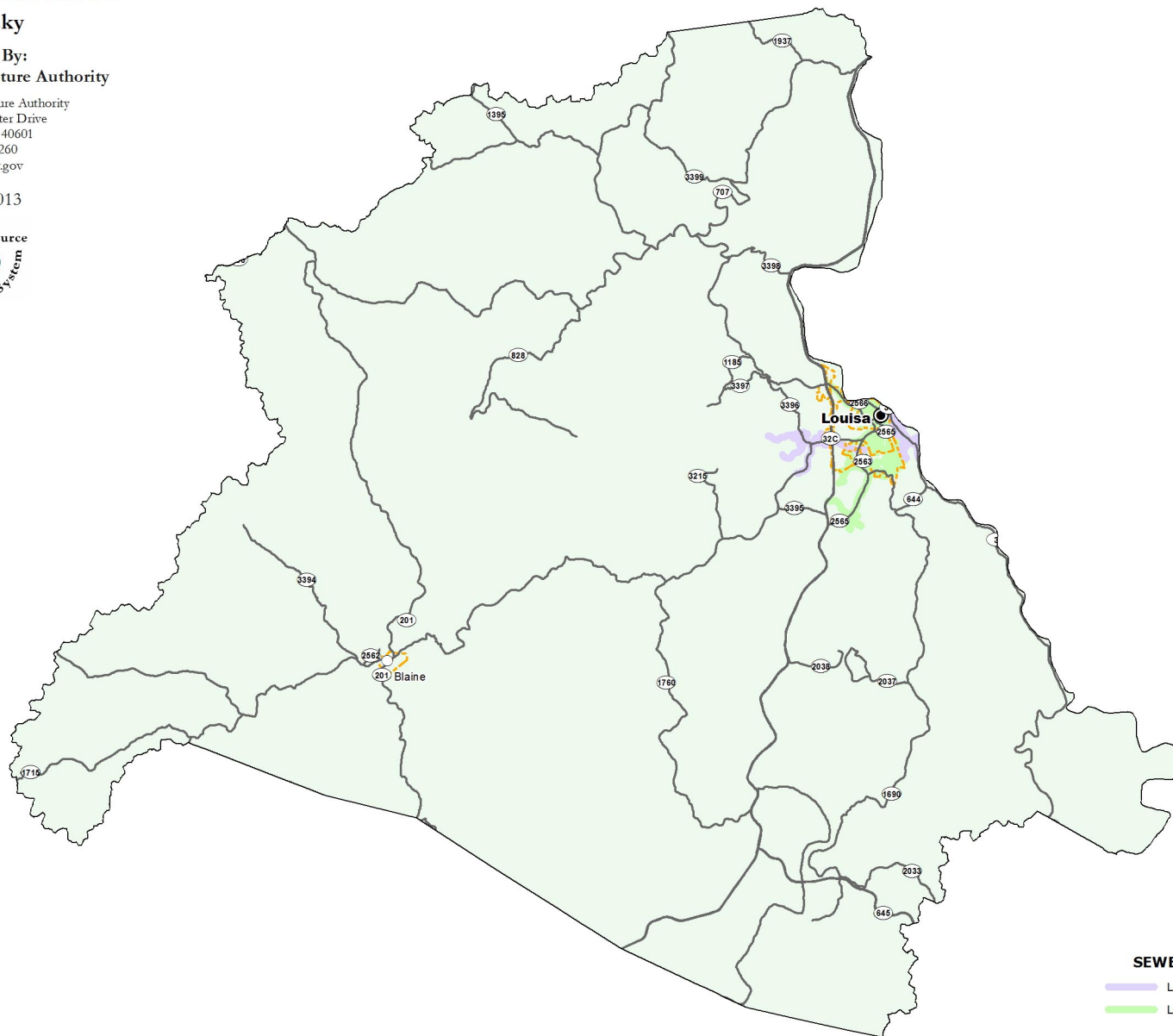
## SEWER SERVICE AREAS LAWRENCE COUNTY

### Kentucky

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March, 2013



#### SEWER SERVICE BY OWNER

- LAWRENCE COUNTY FISCAL COURT
- LOUISA SEWER DEPARTMENT

## Lawrence County (continued)

### System Summary for Lawrence County Fiscal Court

Permit ID	<b>KYP000061</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	321
Owner Type	County Fiscal Court	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	0.765
Cost Per 4000 Gallons	\$23.08	Total KISOP Treated (MG)	-
Residential Customers	321	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	12
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 11.41 miles (Collection: 11.35 miles, Interceptors: 0.06 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Lawrence County Fiscal Court

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21127011</b>	LCFC: Wastewater Treatment Plant for City of Blaine	3-5 Years	Not Funded	\$1,500,000	Lawrence		

## Lawrence County (continued)

### System Summary for Louisa Sewer Department

Permit ID	<b>KY0027961</b>	Treats Wastewater	Yes, 0.35 MGD with 0.41 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,246
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$35.92	Total KISOP Treated (MG)	0.765
Residential Customers	2,033	Total Treated (MG)	214.775
Commercial Customers	213	Number of Manholes	150
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	1	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 29.75 miles (Collection: 26.77 miles, Interceptors: 2.98 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Louisa Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21127029</b>	Louisa: Wastewater Treatment Plant	0-2 Years	Not Funded	\$6,750,000	Lawrence	11	1
<b>SX21127006</b>	Louisa: Fallsburg Phase 3 Fuller Ridge Sanitary Sewer Main Line	0-2 Years	Not Funded	\$3,798,260	Lawrence		
<b>SX21127028</b>	Louisa: Fallsburg Phase 2	3-5 Years	Not Funded	\$1,935,000	Lawrence		
<b>SX21127027</b>	Louisa: Fallsburg Phase 1 Extension to The Top of Five Forks	3-5 Years	Not Funded	\$1,900,000	Lawrence		

# Lee County

- 2010 census population of 7,887 (3,436 households) with 28% serviceable.
- Projected 2020 population of 7,820 (change of -67).
- Lee County has 38.23 miles of existing sewer lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,000,000.
- There are no projects planned from 6 to 10 years.



Lee County has a 2010 census population count of 7,887 (3,436 households) with a projected 2020 population count of 7,820 (3,014 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 180 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 620 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Beattyville	2	\$8,000,000	180	620	4.00	-	
<b>Totals:</b>	<b>2</b>	<b>\$8,000,000</b>	<b>180</b>	<b>620</b>	<b>4.00</b>	<b>-</b>	

## Public Wastewater Systems in Lee County

Note: Serviceability counts are for households within Lee county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0021121</a>	Beattyville Wastewater	Lee	2,626	962
		<b>Totals:</b>	2,626	962

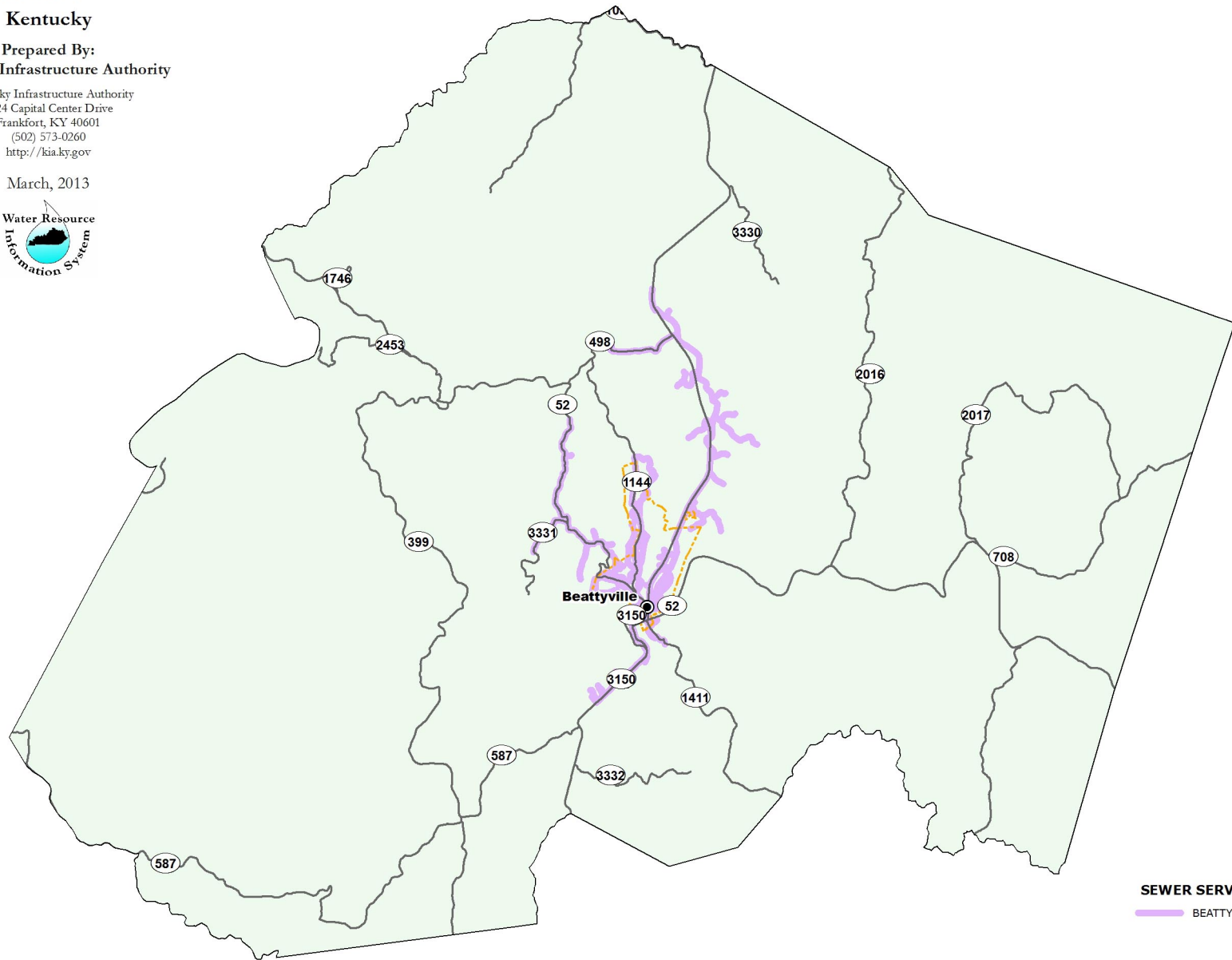
## SEWER SERVICE AREAS LEE COUNTY

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March, 2013



**SEWER SERVICE BY OWNER**  
BEATTYVILLE WASTEWATER



## Lee County (continued)

### System Summary for Beattyville Wastewater

Permit ID	<b>KY0021121</b>	Treats Wastewater	Yes, 0.3 MGD with 0.248 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	942
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$20.82	Total KISOP Treated (MG)	-
Residential Customers	790	Total Treated (MG)	90.440
Commercial Customers	110	Number of Manholes	376
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	1	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 38.18 miles (Collection: 34.98 miles, Interceptors: 3.19 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Beattyville Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21129005</b>	Beattyville Highway 11 South Sewer Line Extension	3-5 Years	Not Funded	\$2,000,000	Lee	3	1
<b>SX21129007</b>	Beattyville - Wastewater Treatment Plant Expansion	3-5 Years	Not Funded	\$6,000,000	Lee	12	2
<b>SX21083047</b>	Mayfield Electric & Water-Combination Sewer Cleaning Truck	3-5 Years	Not Funded	\$350,000	Graves		

# Leslie County

- 2010 census population of 11,310 (5,278 households) with 13% serviceable.
- Projected 2020 population of 10,603 (change of -707).
- Leslie County has 21.52 miles of existing sewer lines.
- 10.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,770,000.
- Estimated funding needs for projects from 6 to 10 years: \$4,200,000.



Leslie County has a 2010 census population count of 11,310 (5,278 households) with a projected 2020 population count of 10,603 (4,377 households). Public sewer is currently available to approximately 13 percent of the county's households based on 2010 census counts. Over the next ten years approximately 192 serviceable households will be added through the construction of 10.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hyden	3	\$5,970,000	192	-	10.00	-	
<b>Totals:</b>	<b>3</b>	<b>\$5,970,000</b>	<b>192</b>	<b>-</b>	<b>10.00</b>	<b>-</b>	

## Public Wastewater Systems in Leslie County

Note: Serviceability counts are for households within Leslie county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0021245</a>	Hyden Wastewater Department	Leslie	1,430	664
		<b>Totals:</b>	1,430	664

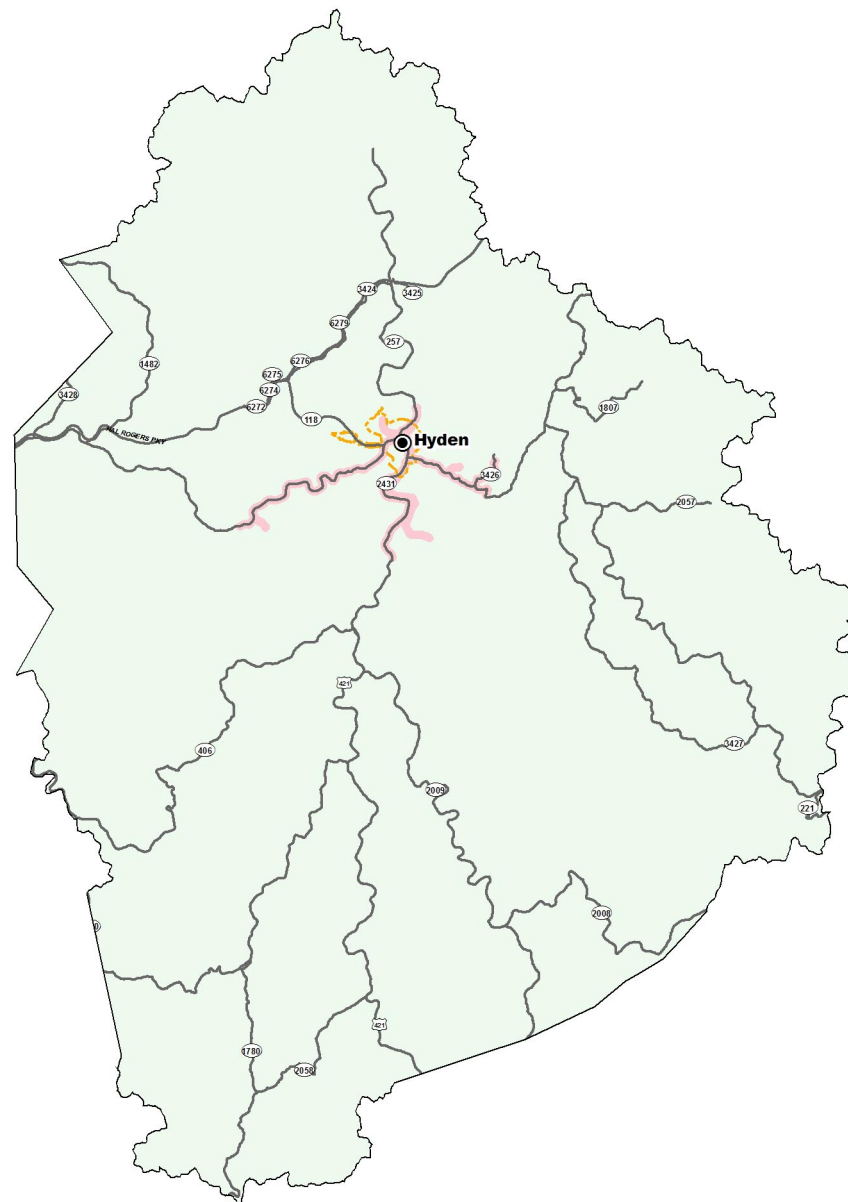
## SEWER SERVICE AREAS LESLIE COUNTY

Kentucky

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Kentucky Infrastructure Authority

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March, 2013



**SEWER SERVICE BY OWNER**

— HYDEN WASTEWATER DEPARTMENT

## Leslie County (continued)

### System Summary for Hyden Wastewater Department

Permit ID	<b>KY0021245</b>	Treats Wastewater	Yes, 0.2 MGD with 0.075 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	556
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.40	Total KISOP Treated (MG)	-
Residential Customers	430	Total Treated (MG)	27.300
Commercial Customers	126	Number of Manholes	33
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 21.45 miles (Collection: 21.41 miles, Interceptors: 0.04 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Hyden Wastewater Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21131211</b>	Hyden - Wooton Sewer Plant Project	6-10 Years	Not Funded	\$4,200,000	Leslie	4	1
<b>SX21131002</b>	Hyden - Wastewater Expansion Phase II	3-5 Years	Not Funded	\$500,000	Leslie	11	2
<b>SX21131004</b>	Hyden - Sanitary Sewer Extensions Phase III	3-5 Years	Not Funded	\$1,270,000	Leslie		4

# Letcher County

- 2010 census population of 24,519 (11,601 households) with 29% serviceable.
- Projected 2020 population of 24,237 (change of -282).
- Letcher County has 57.52 miles of existing sewer lines.
- 51.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$10,285,000.
- Estimated funding needs for projects from 6 to 10 years: \$4,472,000.



Letcher County has a 2010 census population count of 24,519 (11,601 households) with a projected 2020 population count of 24,237 (10,161 households). Public sewer is currently available to approximately 29 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,077 serviceable households will be added through the construction of 51.00 miles of sewer line extensions and approximately 885 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Fleming-Neon	3	\$3,300,000	506	-	12.00	-	-
City of Jenkins	4	\$4,185,000	88	885	3.00	-	-
City of Whitesburg	3	\$6,172,000	425	-	31.00	-	-
Letcher County Fiscal Court	1	\$1,100,000	58	-	5.00	-	-
<b>Totals:</b>	<b>11</b>	<b>\$14,757,000</b>	<b>1,077</b>	<b>885</b>	<b>51.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Letcher County

Note: Serviceability counts are for households within Letcher county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0027405</a>	Fleming-Neon Wastewater	Letcher	2,554	1,275
<a href="#">KY0038571</a>	Jenkins Wastewater	Letcher	1,878	897
<a href="#">KY0103217</a>	Letcher County Water & Sewer District - Millstone	Letcher	92	39
<a href="#">KY0106283</a>	Whitesburg Wastewater	Letcher	2,355	1,092
		<b>Totals:</b>	<b>6,879</b>	<b>3,303</b>

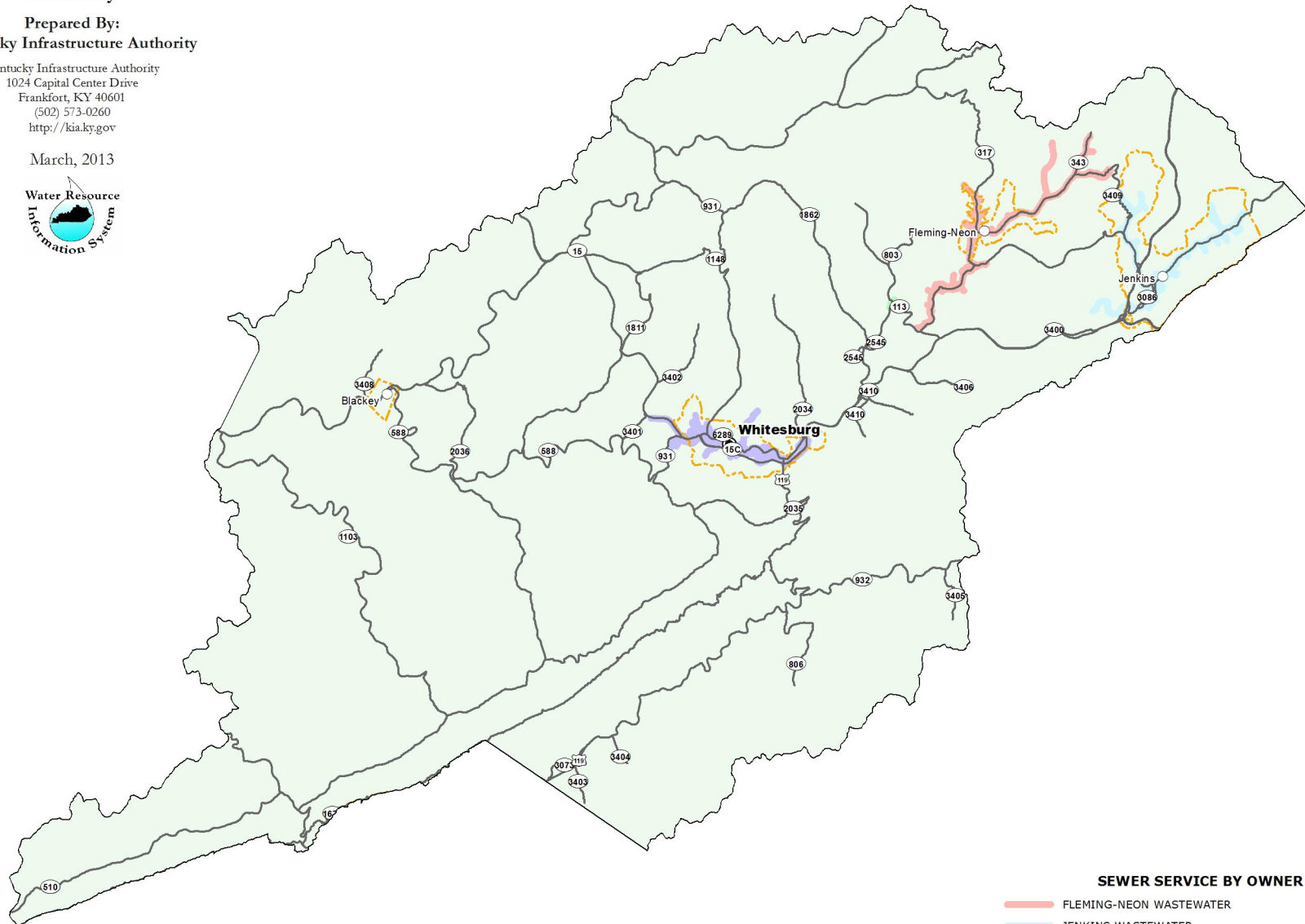
## SEWER SERVICE AREAS LETCHER COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- FLEMING-NEON WASTEWATER
- JENKINS WASTEWATER
- LETCHER COUNTY WATER & SEWER DISTRICT - MILLSTONE
- WHITESBURG WASTEWATER

## Letcher County (continued)

### System Summary for Fleming-Neon Wastewater

Permit ID	<b>KY0027405</b>	Treats Wastewater	Yes, 0.52 MGD with 0.162 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	880
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$23.75	Total KISOP Treated (MG)	-
Residential Customers	837	Total Treated (MG)	59.215
Commercial Customers	43	Number of Manholes	400
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 24.53 miles (Collection: 24.32 miles, Interceptors: 0.21 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Fleming-Neon Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21133004</b>	Fleming-Neon - Hemphill Sewer Extension Phase II	3-5 Years	Not Funded	\$1,400,000	Letcher		
<b>SX21133006</b>	Fleming-Neon - Hemphill Extensions Phase III	6-10 Years	Not Funded	\$1,300,000	Letcher		
<b>SX21133002</b>	Fleming-Neon - Hemphill Sewer Extensions	3-5 Years	Not Funded	\$600,000	Letcher		

## Letcher County (continued)

### System Summary for Jenkins Wastewater

Permit ID	<b>KY0038571</b>	Treats Wastewater	Yes, 0.6 MGD with 0.545 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	768
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$32.14	Total KISOP Treated (MG)	-
Residential Customers	716	Total Treated (MG)	198.984
Commercial Customers	52	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	60%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 15.72 miles (Collection: 15.54 miles, Interceptors: 0.18 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Jenkins Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21133644</b>	Jenkins Dairy Hollow Sewer Extension	3-5 Years	Not Funded	\$250,000	Letcher		3
<b>SX21133885</b>	Jenkins Various Sewer Extensions Project	3-5 Years	Not Funded	\$1,500,000	Letcher		6
<b>SX21133050</b>	Jenkins - Joes Branch Sewer Line Extension	3-5 Years	Not Funded	\$1,235,000	Letcher		7
<b>SX21133020</b>	Jenkins - Wastewater Treatment Plant Improvements	3-5 Years	Not Funded	\$1,200,000	Letcher		



## Letcher County (continued)

### System Summary for Letcher County Water & Sewer District - Millstone

Permit ID	<a href="#">KY0103217</a>	Treats Wastewater	Yes, 0.009 MGD with 0.002 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	22
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$20.00	Total KISOP Treated (MG)	-
Residential Customers	22	Total Treated (MG)	0.700
Commercial Customers	-	Number of Manholes	4
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.37 miles (Collection: 0.37 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Letcher County Water & Sewer District - Millstone

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21133009</a>	Crafts Colley Sanitary Sewer Project - Phase 1	0-2 Years	Not Funded	\$1,100,000	Letcher	5	1

## Letcher County (continued)

### System Summary for Whitesburg Wastewater

Permit ID	<b>KY0106283</b>	Treats Wastewater	Yes, 0.6 MGD with 0.232 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	700
Owner Type	Incorporated City	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$29.81	Total KISOP Treated (MG)	-
Residential Customers	553	Total Treated (MG)	84.501
Commercial Customers	147	Number of Manholes	100
Institutional Customers	-	Number of Lift Stations	18
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 16.84 miles (Collection: 16.37 miles, Interceptors: 0.47 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Whitesburg Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21133009</b>	Crafts Colley Sanitary Sewer Project - Phase 1	0-2 Years	Not Funded	\$1,100,000	Letcher	5	1
<b>SX21133008</b>	Whitesburg - Mayking Area Sewer Extensions Phase I	3-5 Years	Not Funded	\$3,000,000	Letcher		5

# Lewis County

- 2010 census population of 13,870 (6,481 households) with 27% serviceable.
- Projected 2020 population of 13,899 (change of 29).
- Lewis County has 47.63 miles of existing sewer lines.
- 18.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$6,345,500.
- Estimated funding needs for projects from 6 to 10 years: \$4,000,000.



Lewis County has a 2010 census population count of 13,870 (6,481 households) with a projected 2020 population count of 13,899 (5,717 households). Public sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 493 serviceable households will be added through the construction of 18.00 miles of sewer line extensions and approximately 1,278 instances of improved service through system wide upgrades. 2.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Garrison-Quincy-Ky-O-Heights Water District	1	\$2,000,000	200	-	2.00	-	
Lewis County Sanitation District #1	4	\$4,294,000	233	550	12.00	-	
Vanceburg Electric Plant Board	4	\$4,051,500	60	728	4.00	-	
<b>Totals:</b>	<b>9</b>	<b>\$10,345,500</b>	<b>493</b>	<b>1,278</b>	<b>18.00</b>	<b>-</b>	

## Public Wastewater Systems in Lewis County

Note: Serviceability counts are for households within Lewis county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0105422</a>	Garrison Sewer	Lewis	759	352
<a href="#">KY0102601</a>	Lewis County Sanitation District #1	Lewis	1,112	515
<a href="#">KY0078123</a>	Meadowbrook Subdivision	Lewis	262	105
<a href="#">KY0021512</a>	Vanceburg Sewer	Lewis	1,590	786
		<b>Totals:</b>	3,723	1,758

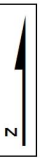
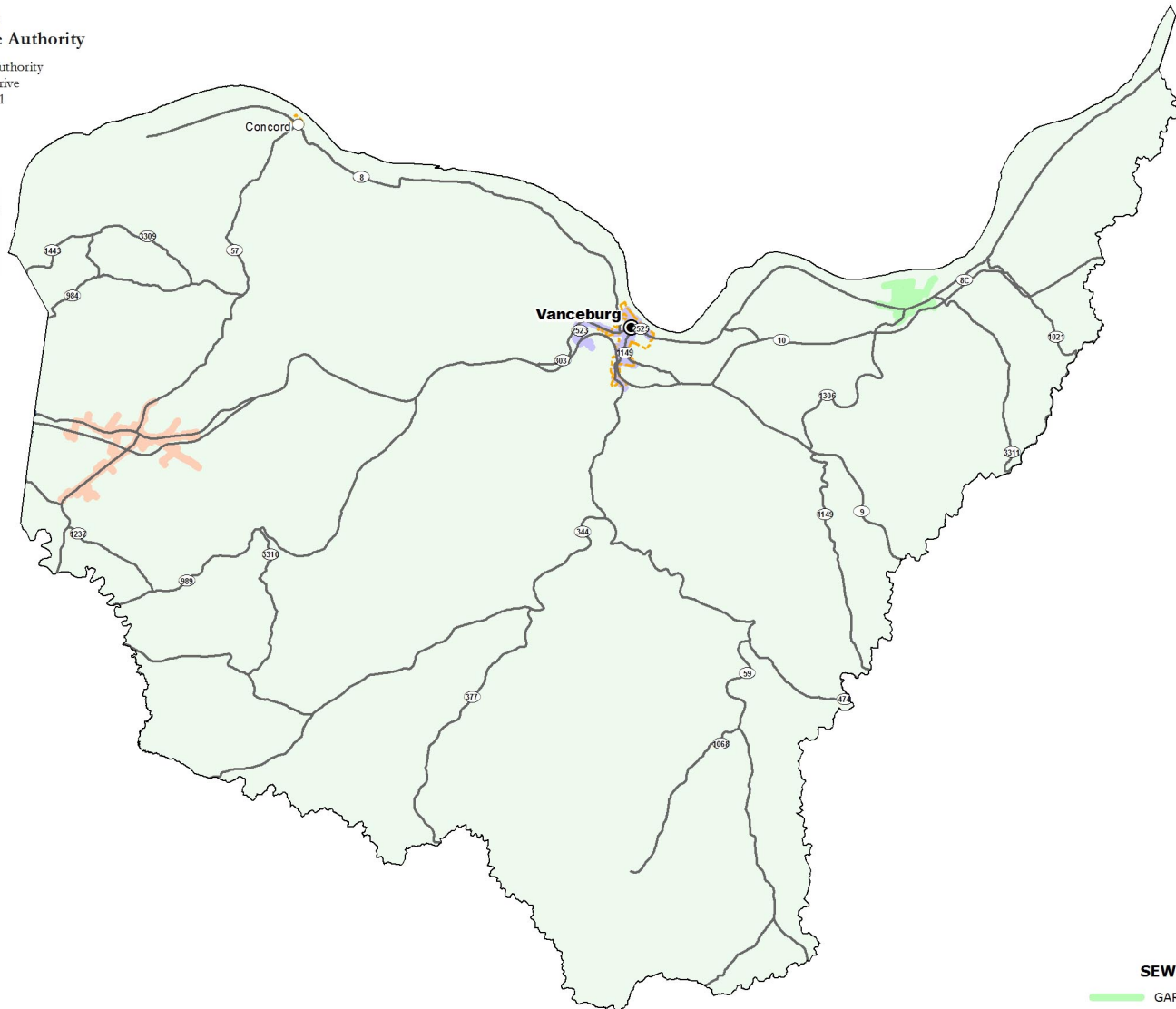
# SEWER SERVICE AREAS LEWIS COUNTY

Kentucky

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March, 2013



## SEWER SERVICE BY OWNER

- GARRISON SEWER
- LEWIS COUNTY SANITATION DISTRICT #1
- VANCEBURG SEWER

## Lewis County (continued)

### System Summary for Garrison Sewer

Permit ID	<b>KY0105422</b>	Treats Wastewater	Yes, 0.11 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	332
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$44.00	Total KISOP Treated (MG)	-
Residential Customers	291	Total Treated (MG)	6.570
Commercial Customers	20	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 9.70 miles (Collection: 9.16 miles, Interceptors: 0.53 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Garrison Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21135002</b>	Garrison Sewer Phase II	6-10 Years	Not Funded	\$2,000,000	Lewis	11	3

## Lewis County (continued)

### System Summary for Lewis County Sanitation District #1

Permit ID	<b>KY0102601</b>	Treats Wastewater	Yes, 0.12 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	555
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$38.65	Total KISOP Treated (MG)	-
Residential Customers	535	Total Treated (MG)	21.410
Commercial Customers	20	Number of Manholes	215
Institutional Customers	-	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 22.92 miles (Collection: 20.09 miles, Interceptors: 2.82 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Lewis County Sanitation District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21135018</b>	LCSD #1 Sewer Plant Upgrade	3-5 Years	Not Funded	\$2,150,000	Lewis	1	1
<b>SX21135020</b>	LCSD Sewer Extension to Burtonville	3-5 Years	Not Funded	\$1,080,000	Lewis	10	2
<b>SX21135007</b>	LCSD-Ribolt Area	3-5 Years	Not Funded	\$794,000	Lewis	21	5
<b>SX21135022</b>	Tollesboro Industrial Park (Sewer)	3-5 Years	Not Funded	\$270,000	Lewis	25	8

## Lewis County (continued)

### System Summary for Meadowbrook Subdivision

Permit ID	<b>KY0078123</b>	Treats Wastewater	Yes, 0.05 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	117
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$33.86	Total KISOP Treated (MG)	-
Residential Customers	117	Total Treated (MG)	4.370
Commercial Customers	-	Number of Manholes	26
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 1.40 miles (Collection: 1.29 miles, Interceptors: 0.12 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Meadowbrook Subdivision**

## Lewis County (continued)

### System Summary for Vanceburg Sewer

Permit ID	<b>KY0021512</b>	Treats Wastewater	Yes, 0.41 MGD with 0.17 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	720
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$33.86	Total KISOP Treated (MG)	-
Residential Customers	606	Total Treated (MG)	72.072
Commercial Customers	95	Number of Manholes	281
Institutional Customers	1	Number of Lift Stations	15
Industrial Customers	18	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 13.50 miles (Collection: 13.14 miles, Interceptors: 0.36 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

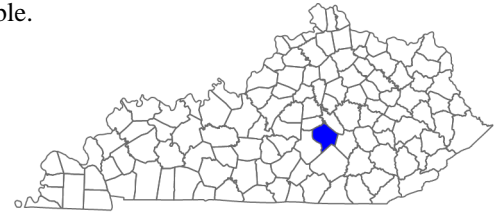
### Project Summary (Top 18 Approved, 0-5 years) for Vanceburg Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21135010</b>	Vanceburg - Meadowbrook	3-5 Years	Not Funded	\$1,386,500	Lewis	20	4
<b>SX21135013</b>	3037 Collection	6-10 Years	Not Funded	\$1,000,000	Lewis	23	6
<b>SX21135015</b>	Vanceburg EPB Sanitary Sewer Improvements	6-10 Years	Not Funded	\$1,000,000	Lewis	24	7
<b>SX21135009</b>	Vanceburg-Main Sewer Plant	3-5 Years	Not Funded	\$665,000	Lewis		



# Lincoln County

- 2010 census population of 24,742 (10,819 households) with 25% serviceable.
- Projected 2020 population of 26,170 (change of 1,428).
- Lincoln County has 58.84 miles of existing sewer lines.
- 32.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$15,503,420.
- There are no projects planned from 6 to 10 years.



Lincoln County has a 2010 census population count of 24,742 (10,819 households) with a projected 2020 population count of 26,170 (10,762 households). Public sewer is currently available to approximately 25 percent of the county's households based on 2010 census counts. Over the next ten years approximately 763 serviceable households will be added through the construction of 32.00 miles of sewer line extensions and approximately 710 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Crab Orchard	2	\$1,002,000	-	710	-	1.00	
City of Eubank	1	\$3,225,000	20	-	-	-	
City of Stanford	1	\$5,326,420	189	-	12.00	-	
Lincoln Co. Sanitation District	2	\$5,800,000	549	-	19.00	-	
Lincoln County Fiscal Court	1	\$150,000	5	-	1.00	-	
<b>Totals:</b>	<b>7</b>	<b>\$15,503,420</b>	<b>763</b>	<b>710</b>	<b>32.00</b>	<b>1.00</b>	

## Public Wastewater Systems in Lincoln County

Note: Serviceability counts are for households within Lincoln county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0065897</a>	Crab Orchard Sewer Department	Lincoln	894	446
<a href="#">KY0024619</a>	Stanford Sewer Department	Lincoln	4,850	2,129
<a href="#">KY0057193</a>	Danville Municipal Sewer System	Boyle	206	103
		<b>Totals:</b>	5,950	2,678

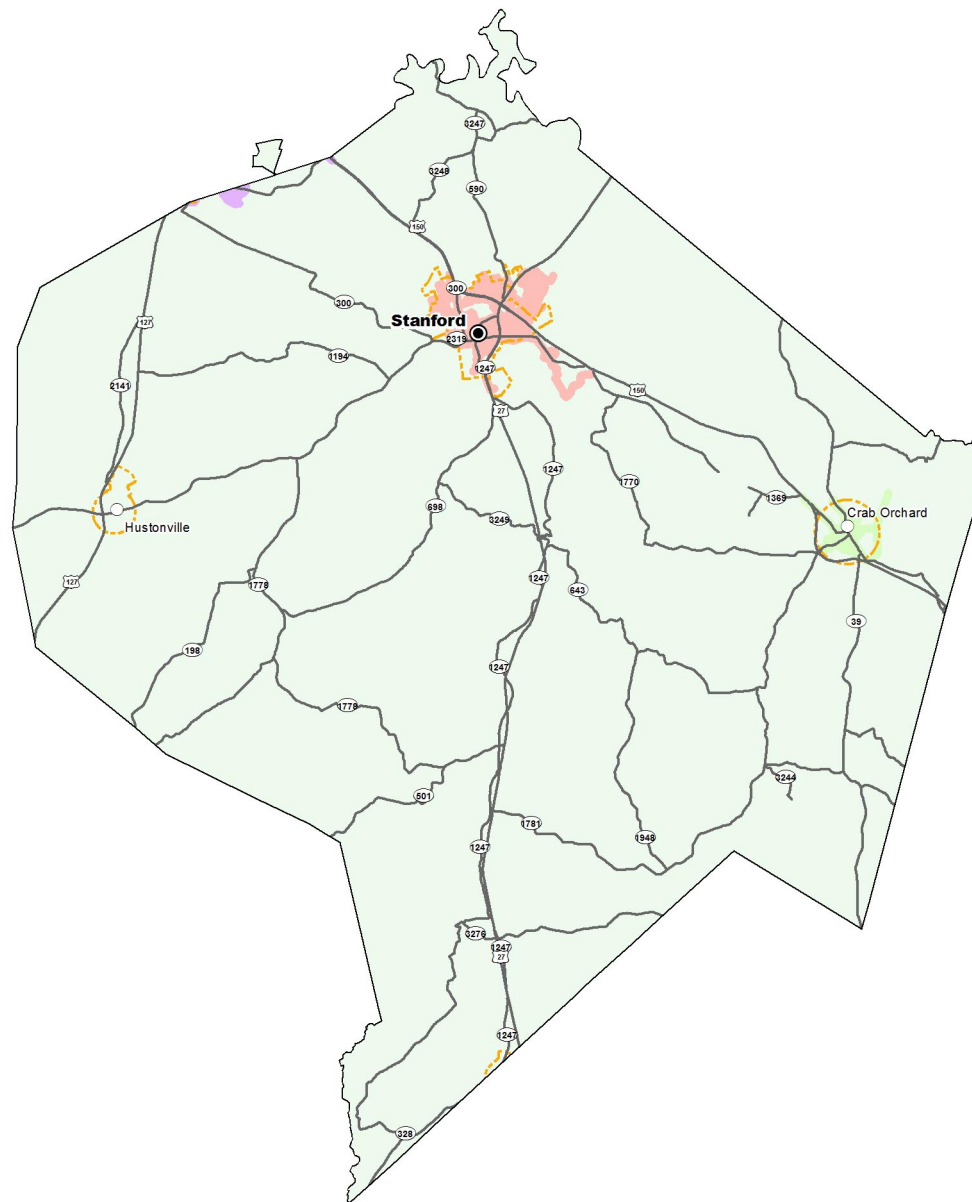
# SEWER SERVICE AREAS LINCOLN COUNTY

Kentucky

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March, 2013



## SEWER SERVICE BY OWNER

- CRAB ORCHARD SEWER DEPARTMENT
- DANVILLE MUNICIPAL SEWER SYSTEM
- STANFORD SEWER DEPARTMENT

## Lincoln County (continued)

### System Summary for Crab Orchard Sewer Department

Permit ID	<b>KY0065897</b>	Treats Wastewater	Yes, 0.11 MGD with 0.05 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	350
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$72.00	Total KISOP Treated (MG)	-
Residential Customers	317	Total Treated (MG)	41.240
Commercial Customers	29	Number of Manholes	180
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 11.32 miles (Collection: 10.21 miles, Interceptors: 1.12 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Crab Orchard Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21137020</b>	Crab Orchard UV Replacement	0-2 Years	Not Funded	\$275,000	Lincoln	31	2
<b>SX21137016</b>	Crab Orchard Sewer Line Rehab - Phase I	0-2 Years	Not Funded	\$727,000	Lincoln		
<b>SX21137021</b>	Crab Orchard - William Whitley Road Sanitary Sewers	0-2 Years	Not Funded	\$712,000	Lincoln		

## Lincoln County (continued)

### System Summary for Stanford Sewer Department

Permit ID	<b>KY0024619</b>	Treats Wastewater	Yes, 0.8 MGD with 0.84 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,950
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$17.61	Total KISOP Treated (MG)	-
Residential Customers	1,628	Total Treated (MG)	437.270
Commercial Customers	196	Number of Manholes	1175
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 70% Constructed
Total Collection System Line Length = 44.62 miles (Collection: 41.33 miles, Interceptors: 3.30 miles ).			

MG = Million Gallons.

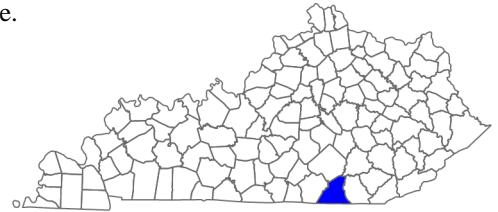
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Stanford Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21137015</b>	Stanford - US 27 South Sewer Expansion Project	0-2 Years	Not Funded	\$5,326,420	Lincoln	13	5
<b>SX21137012</b>	Lincoln County Industrial Park Ss Extension-Phase I	0-2 Years	Not Funded	\$150,000	Lincoln		
<b>SX21137019</b>	Lincoln County Fiscal Court - Rowland Sanitary Sewer Extension	0-2 Years	Not Funded	\$130,000	Lincoln		
<b>SX21137018</b>	Lincoln Co. Fiscal Court - US 27 Sanitary Sewer Extensino (Fire	0-2 Years	Not Funded	\$35,000	Lincoln		

# McCreary County

- 2010 census population of 18,306 (7,507 households) with 23% serviceable.
- Projected 2020 population of 18,314 (change of 8).
- McCreary County has 38.45 miles of existing sewer lines.
- 28.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,979,405.
- Estimated funding needs for projects from 6 to 10 years: \$1,144,580.



McCreary County has a 2010 census population count of 18,306 (7,507 households) with a projected 2020 population count of 18,314 (6,819 households). Public sewer is currently available to approximately 23 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,025 serviceable households will be added through the construction of 28.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
McCreary County Water District	13	\$10,123,985	1,025	-	28.00	-	
<b>Totals:</b>	<b>13</b>	<b>\$10,123,985</b>	<b>1,025</b>	<b>-</b>	<b>28.00</b>	<b>-</b>	

## Public Wastewater Systems in McCreary County

Note: Serviceability counts are for households within McCreary county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0097837</a>	McCreary County Water District	McCreary	3,884	1,730
		<b>Totals:</b>	3,884	1,730

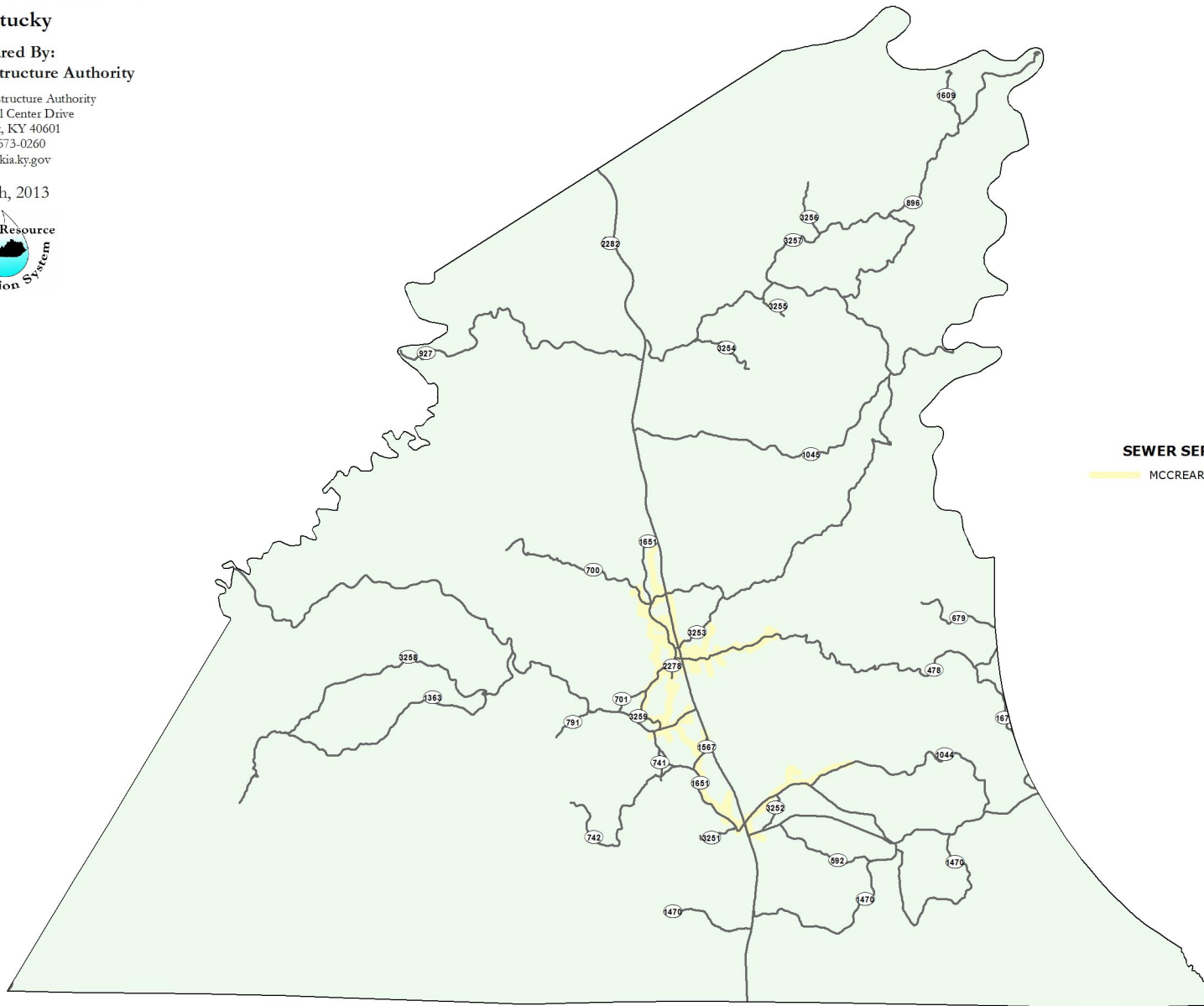
## SEWER SERVICE AREAS MCCREARY COUNTY

Kentucky

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<http://kia.ky.gov>

March, 2013



**SEWER SERVICE BY OWNER**  
MCCREARY COUNTY WATER DISTRICT

## McCreary County (continued)

### System Summary for McCreary County Water District

Permit ID	<b>KY0097837</b>	Treats Wastewater	Yes, 0.9 MGD with 0.36 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,087
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$27.50	Total KISOP Treated (MG)	-
Residential Customers	803	Total Treated (MG)	132.836
Commercial Customers	152	Number of Manholes	23
Institutional Customers	1	Number of Lift Stations	15
Industrial Customers	4	Percent Lines 20 yrs or Older	1%
KISOP Customers	-	Has Facility Plan	Yes, 68% Constructed
Total Collection System Line Length = 38.45 miles (Collection: 38.45 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for McCreary County Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21147019</b>	MCWD-Stearns to Smithtown Sewer System	3-5 Years	Not Funded	\$2,043,000	McCreary		
<b>SX21147010</b>	McCreary Co/Big Creek Sewer System Extension-Phase II	3-5 Years	Partially Funded	\$1,416,000	McCreary		
<b>SX21147020</b>	Sewer System Extensions – Revelo to Stearns Phase 1	3-5 Years	Not Funded	\$930,000	McCreary		
<b>SX21147012</b>	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	3-5 Years	Not Funded	\$888,500	McCreary		
<b>SX21147017</b>	MCCWD – Sandhill Road Sanitary Sewer Expansion Project, Phase I	3-5 Years	Not Funded	\$791,950	McCreary		
<b>SX21147018</b>	MCCWD – Sandhill Road Sanitary Sewer Expansion Project, Phase II	6-10 Years	Not Funded	\$714,580	McCreary		
<b>SX21147006</b>	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	3-5 Years	Not Funded	\$713,000	McCreary		
<b>SX21147003</b>	McCreary Co./Pine Knot-KY 92 Area Sewer System Extensions	3-5 Years	Not Funded	\$696,000	McCreary		
<b>SX21147005</b>	McCreary Co./Bethel Rd.-KY 1044/Meadow Grove Area Sewer System Extensions	3-5 Years	Not Funded	\$512,000	McCreary		
<b>SX21147013</b>	McCreary County - Pride Project	3-5 Years	Not Funded	\$499,955	McCreary		
<b>SX21147016</b>	MCWD – Toe Wad Sanitary Sewer Project	6-10 Years	Not Funded	\$430,000	McCreary		
<b>SX21147001</b>	MCWD - Sewer System Improvements	3-5 Years	Not Funded	\$300,000	McCreary		
<b>SX21147002</b>	McCreary Co./Cabin Creek Rd.-Green Valley Rd. Area Sewer System Extensions	3-5 Years	Partially Funded	\$189,000	McCreary		

# Madison County

- 2010 census population of 82,916 (35,043 households) with 63% serviceable.
- Projected 2020 population of 95,333 (change of 12,417).
- Madison County has 323.55 miles of existing sewer lines.
- 126.00 miles of line extensions proposed in the next 10 years.
- 5.00 miles of line rehabilitation proposed in the next 10 years.
- 62.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$27,310,994.
- Estimated funding needs for projects from 6 to 10 years: \$48,939,000.



Madison County has a 2010 census population count of 82,916 (35,043 households) with a projected 2020 population count of 95,333 (38,093 households). Public sewer is currently available to approximately 63 percent of the county's households based on 2010 census counts. Over the next ten years approximately 3,027 serviceable households will be added through the construction of 126.00 miles of sewer line extensions and approximately 687 instances of improved service through the rehabilitation of 5.00 miles of existing sewer lines and other appurtenances. 62.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Berea	3	\$4,546,140	51	162	1.00	3.00	
City of Richmond	7	\$7,689,854	-	-	-	-	
Northern Madison Sanitation District	19	\$64,014,000	2,976	525	125.00	2.00	
<b>Totals:</b>	<b>29</b>	<b>\$76,249,994</b>	<b>3,027</b>	<b>687</b>	<b>126.00</b>	<b>5.00</b>	

## Public Wastewater Systems in Madison County

Note: Serviceability counts are for households within Madison county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0079898</a>	Berea Sewer Department	Madison	13,846	5,735
<a href="#">KY0102971</a>	Northern Madison County Sanitation District - Battlefield Estates	Madison	1,320	566
<a href="#">KY0056561</a>	Northern Madison County Sanitation District - Executive Park Subdivision	Madison	201	91
<a href="#">KYP000071</a>	Northern Madison County Sanitation District - Greens Crossing	Madison	790	362
<a href="#">KY0105376</a>	Northern Madison County Sanitation District - Regional Plant	Madison	2,614	1,008
<a href="#">KY0107107</a>	Richmond Utilities - Otter Creek	Madison	31,848	13,957
<a href="#">KY0103357</a>	Richmond Utilities - Silver Creek	Madison	378	215
		<b>Totals:</b>	50,997	21,934



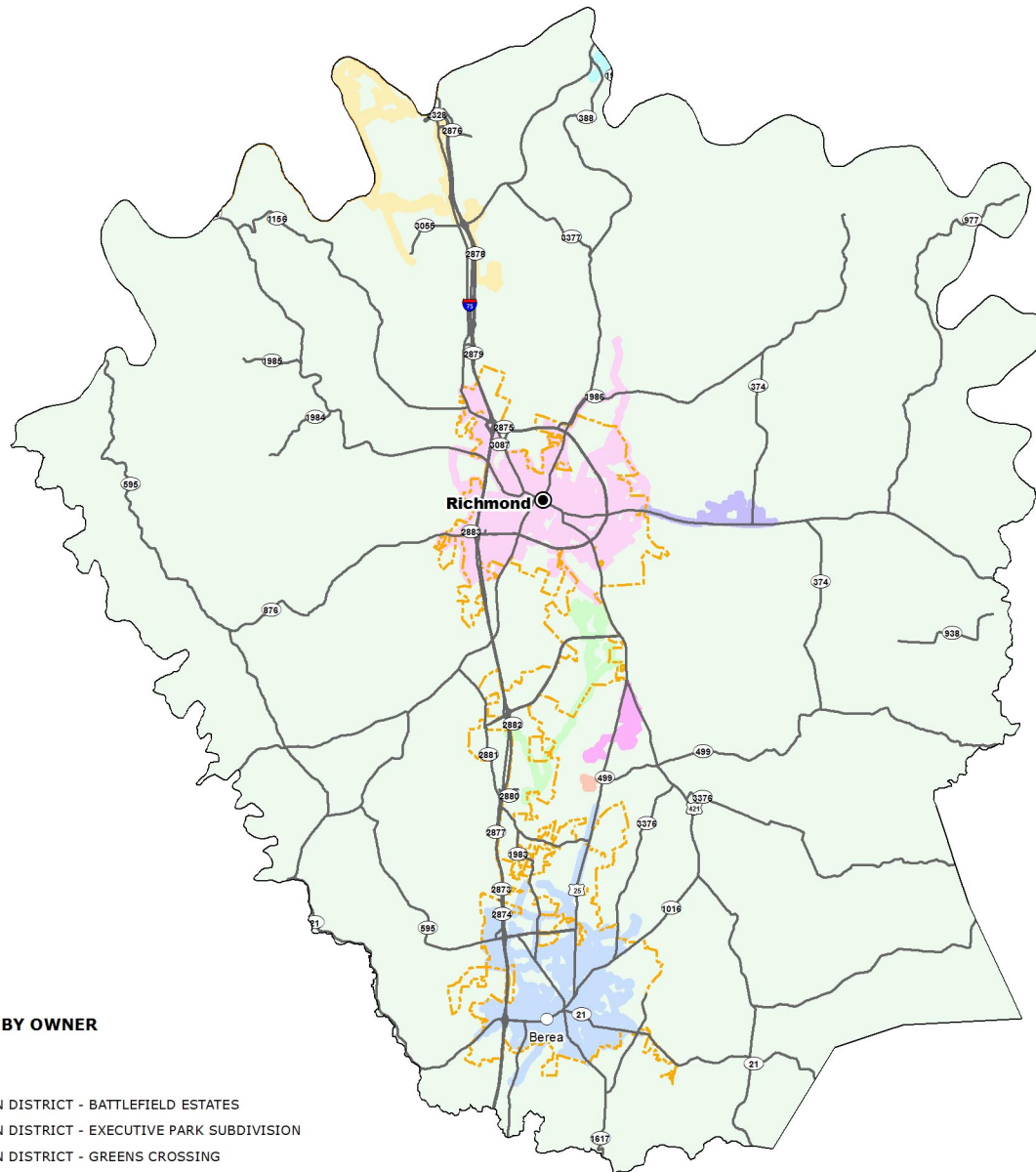
## SEWER SERVICE AREAS MADISON COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- BERE A SEWER DEPARTMENT
- FORT BOONESBOROUGH STATE PARK
- NORTHERN MADISON COUNTY SANITATION DISTRICT - BATTLEFIELD ESTATES
- NORTHERN MADISON COUNTY SANITATION DISTRICT - EXECUTIVE PARK SUBDIVISION
- NORTHERN MADISON COUNTY SANITATION DISTRICT - GREENS CROSSING
- NORTHERN MADISON COUNTY SANITATION DISTRICT - REGIONAL PLANT
- RICHMOND UTILITIES - OTTER CREEK
- RICHMOND UTILITIES - SILVER CREEK

## Madison County (continued)

### System Summary for Berea Sewer Department

Permit ID	<b>KY0079898</b>	Treats Wastewater	Yes, 4.32 MGD with 2.95 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,558
Owner Type	Incorporated City	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$15.71	Total KISOP Treated (MG)	-
Residential Customers	5,045	Total Treated (MG)	1,127.830
Commercial Customers	513	Number of Manholes	1400
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	67%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 94.30 miles (Collection: 92.33 miles, Interceptors: 1.97 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Berea Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21151014</b>	Sugarville/Terrill Branch Interceptor	0-2 Years	Partially Funded	\$1,271,140	Madison	7	1
<b>SX21151045</b>	Berea Gravity Sewer Rehabilitation	0-2 Years	Not Funded	\$1,600,000	Madison	20	4
<b>SX21151011</b>	US 25 North Sewer Extension Project	3-5 Years	Not Funded	\$1,675,000	Madison		

## Madison County (continued)

### System Summary for Brooklyn Subdivision

Permit ID	KY0081299	Treats Wastewater	Yes, 0.04 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Investor-Owned (Private For-Profit)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Brooklyn Subdivision**

## Madison County (continued)

### System Summary for Northern Madison County Sanitation District - Battlefield Estates

Permit ID	<b>KY0102971</b>	Treats Wastewater	Yes, 0.114 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	472
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$59.80	Total KISOP Treated (MG)	-
Residential Customers	460	Total Treated (MG)	-
Commercial Customers	12	Number of Manholes	187
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 9.37 miles (Collection: 8.39 miles, Interceptors: 0.98 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Battlefield Estates

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21151039</b>	NMCSD - Madison Village Collection System Rehab	0-2 Years	Not Funded	\$1,275,000	Madison	30	3
<b>SX21151037</b>	Terrill Wastewater Collection System Extension	3-5 Years	Not Funded	\$383,000	Madison		

## Madison County (continued)

### System Summary for Northern Madison County Sanitation District - Executive Park Subdivision

Permit ID	<b>KY0056561</b>	Treats Wastewater	Yes, 0.03 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	71
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$59.80	Total KISOP Treated (MG)	-
Residential Customers	71	Total Treated (MG)	7.665
Commercial Customers	-	Number of Manholes	24
Institutional Customers	-	Number of Lift Stations	1
Industrial Customers	-	Percent Lines 20 yrs or Older	72%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 1.14 miles (Collection: 0.84 miles, Interceptors: 0.30 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Executive Park Subdivision

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21151043</b>	Northern Madison County Sanitation District Shady Hills and Cherry Trace Wastewater Collection System Extension	6-10 Years	Not Funded	\$1,270,000	Madison		
<b>SX21151044</b>	City of Richmond - Otter Creek WWTP - Oculus System	0-2 Years	Not Funded	\$739,854	Madison		
<b>SX21151031</b>	Executive Park Sewer Rehab	6-10 Years	Not Funded	\$200,000	Madison		

## Madison County (continued)

### System Summary for Northern Madison County Sanitation District - Greens Crossing

Permit ID	KYP000071	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	326
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	4	Total KISOP Sent (MG)	16.400
Cost Per 4000 Gallons	\$59.80	Total KISOP Treated (MG)	-
Residential Customers	315	Total Treated (MG)	14.739
Commercial Customers	11	Number of Manholes	131
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 10.43 miles (Collection: 6.98 miles, Interceptors: 3.45 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Northern Madison County Sanitation District - Greens Crossing**

## Madison County (continued)

### System Summary for Northern Madison County Sanitation District - Regional Plant

Permit ID	<b>KY0105376</b>	Treats Wastewater	Yes, 1 MGD with 0.21 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	895
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$59.80	Total KISOP Treated (MG)	-
Residential Customers	865	Total Treated (MG)	73.000
Commercial Customers	30	Number of Manholes	225
Institutional Customers	-	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	76%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 30.81 miles (Collection: 26.40 miles, Interceptors: 4.41 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Northern Madison County Sanitation District - Regional Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21151003</b>	NMCSD - Expansion of Wastewater Plant	6-10 Years	Not Funded	\$43,313,000	Madison		
<b>SX21151002</b>	Northern Madison County Sanitation District - Expanded I-75 Area	3-5 Years	Not Funded	\$6,279,000	Madison		
<b>SX21151033</b>	Quail West Wastewater Collection System	6-10 Years	Not Funded	\$1,750,000	Madison		
<b>SX21151038</b>	Ft. Bonnesboro Force Main & Pump Station	3-5 Years	Not Funded	\$1,543,000	Madison		
<b>SX21151036</b>	Muddy Creek Wastewater Treatment Plant	0-2 Years	Partially Funded	\$1,400,000	Madison		
<b>SX21151025</b>	Mockingbird Hill Wastewater Collection System	3-5 Years	Not Funded	\$1,090,000	Madison		
<b>SX21151024</b>	Waterford Place Wastewater Collection System	6-10 Years	Not Funded	\$900,000	Madison		
<b>SX21151029</b>	Walnut Grove & Woodland Estates Wastewater	3-5 Years	Not Funded	\$740,000	Madison		
<b>SX21151022</b>	Boone Village Wastewater Collection System	3-5 Years	Not Funded	\$730,000	Madison		
<b>SX21151028</b>	Simpson Lane Wastewater System	3-5 Years	Not Funded	\$725,000	Madison		
<b>SX21151023</b>	Traditions Wastewater Collection System	3-5 Years	Not Funded	\$650,000	Madison		
<b>SX21151026</b>	Lexington Heights Wastewater Colleciton System	6-10 Years	Not Funded	\$530,000	Madison		
<b>SX21151030</b>	Wells Ridge Wastewater Collection	6-10 Years	Not Funded	\$490,000	Madison		
<b>SX21151027</b>	Pinnur Acres Wastewater Collection System	6-10 Years	Not Funded	\$486,000	Madison		
<b>SX21151032</b>	Shiloh Crest Wastewater Collection System	3-5 Years	Not Funded	\$260,000	Madison		

## Madison County (continued)

### System Summary for Richmond Utilities - Otter Creek

Permit ID	<a href="#">KY0107107</a>	Treats Wastewater	Yes, 8 MGD with 4.44 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	11,600
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$15.65	Total KISOP Treated (MG)	16,400
Residential Customers	10,300	Total Treated (MG)	13,900
Commercial Customers	1,274	Number of Manholes	3800
Institutional Customers	15	Number of Lift Stations	28
Industrial Customers	10	Percent Lines 20 yrs or Older	52%
KISOP Customers	1	Has Facility Plan	Yes, 98% Constructed
Total Collection System Line Length = 158.06 miles (Collection: 140.46 miles, Interceptors: 17.60 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Richmond Utilities - Otter Creek

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21151051</a>	Water Street Stormwater Improvements, Phase 2	0-2 Years	Not Funded	\$1,150,000	Madison		



## Madison County (continued)

### System Summary for Richmond Utilities - Silver Creek

Permit ID	<b>KY0103357</b>	Treats Wastewater	Yes, 1 MGD with 0.25 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,500
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$15.65	Total KISOP Treated (MG)	-
Residential Customers	30	Total Treated (MG)	71.900
Commercial Customers	1,150	Number of Manholes	355
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	15	Percent Lines 20 yrs or Older	10%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 17.67 miles (Collection: 7.80 miles, Interceptors: 9.86 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Richmond Utilities - Silver Creek**

# Magoffin County

- 2010 census population of 13,333 (5,950 households) with 22% serviceable.
- Projected 2020 population of 13,587 (change of 254).
- Magoffin County has 26.47 miles of existing sewer lines.
- 25.00 miles of line extensions proposed in the next 10 years.
- 1.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$8,380,000.
- Estimated funding needs for projects from 6 to 10 years: \$5,415,700.



Magoffin County has a 2010 census population count of 13,333 (5,950 households) with a projected 2020 population count of 13,587 (5,696 households). Public sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 735 serviceable households will be added through the construction of 25.00 miles of sewer line extensions and approximately 36 instances of improved service through the rehabilitation of 1.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Salyersville	2	\$4,260,700	252	-	6.00	-	
Salyersville Water Works	6	\$9,535,000	483	36	19.00	1.00	
<b>Totals:</b>	<b>8</b>	<b>\$13,795,700</b>	<b>735</b>	<b>36</b>	<b>25.00</b>	<b>1.00</b>	

## Public Wastewater Systems in Magoffin County

Note: Serviceability counts are for households within Magoffin county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0104540</a>	Salyersville Water Works	Magoffin	2,946	1,329
		<b>Totals:</b>	2,946	1,329

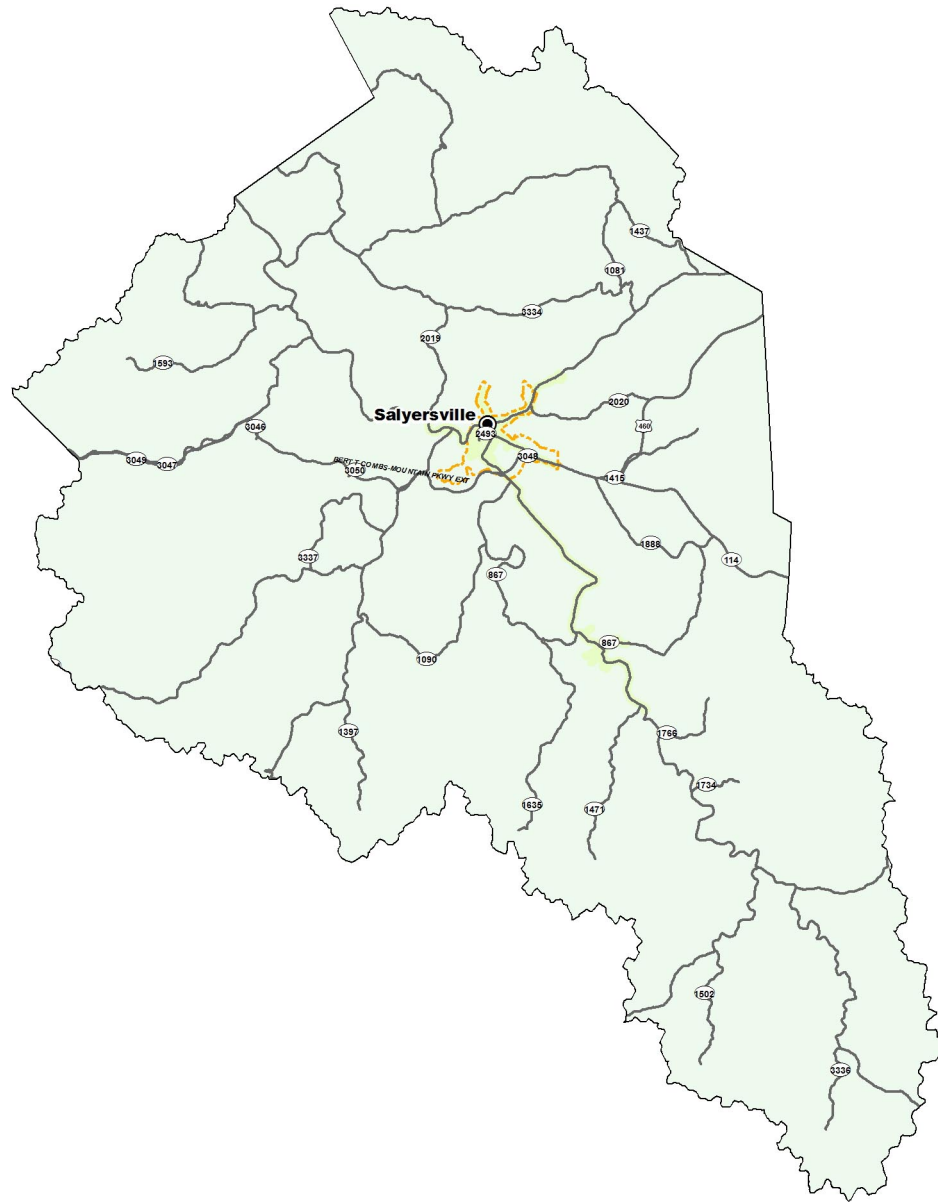
## SEWER SERVICE AREAS MAGOFFIN COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**  
SALYERSVILLE WATER WORKS

## Magoffin County (continued)

### System Summary for Salyersville Water Works

Permit ID	<b>KY0104540</b>	Treats Wastewater	Yes, 0.6 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,350
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$32.20	Total KISOP Treated (MG)	-
Residential Customers	1,212	Total Treated (MG)	146.000
Commercial Customers	138	Number of Manholes	150
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 75% Constructed
Total Collection System Line Length = 26.47 miles (Collection: 26.39 miles, Interceptors: 0.07 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Salyersville Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21153522</b>	Magoffin County Industrial Park Sewer Extension	3-5 Years	Not Funded	\$2,900,000	Magoffin	4	1
<b>SX21153502</b>	Salyersville Waste water Extensions Projects	6-10 Years	Not Funded	\$2,100,000	Magoffin		
<b>SX21153523</b>	Mash Fork Sewer Extension	3-5 Years	Not Funded	\$2,045,000	Magoffin		
<b>SX21153003</b>	Salyersville Sewer Plant Improvements Project	3-5 Years	Not Funded	\$700,000	Magoffin		

# Martin County

- 2010 census population of 12,929 (5,164 households) with 11% serviceable.
- Projected 2020 population of 12,055 (change of -874).
- Martin County has 13.73 miles of existing sewer lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$4,089,655.
- Estimated funding needs for projects from 6 to 10 years: \$5,533,895.



Martin County has a 2010 census population count of 12,929 (5,164 households) with a projected 2020 population count of 12,055 (4,410 households). Public sewer is currently available to approximately 11 percent of the county's households based on 2010 census counts. Over the next ten years approximately 362 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 200 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Martin County Sanitation District	4	\$9,623,550	362	200	4.00	4.00	
<b>Totals:</b>	<b>4</b>	<b>\$9,623,550</b>	<b>362</b>	<b>200</b>	<b>4.00</b>	<b>4.00</b>	

## Public Wastewater Systems in Martin County

Note: Serviceability counts are for households within Martin county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0079316</a>	Martin County Sanitation District	Martin	1,193	566
		<b>Totals:</b>	1,193	566

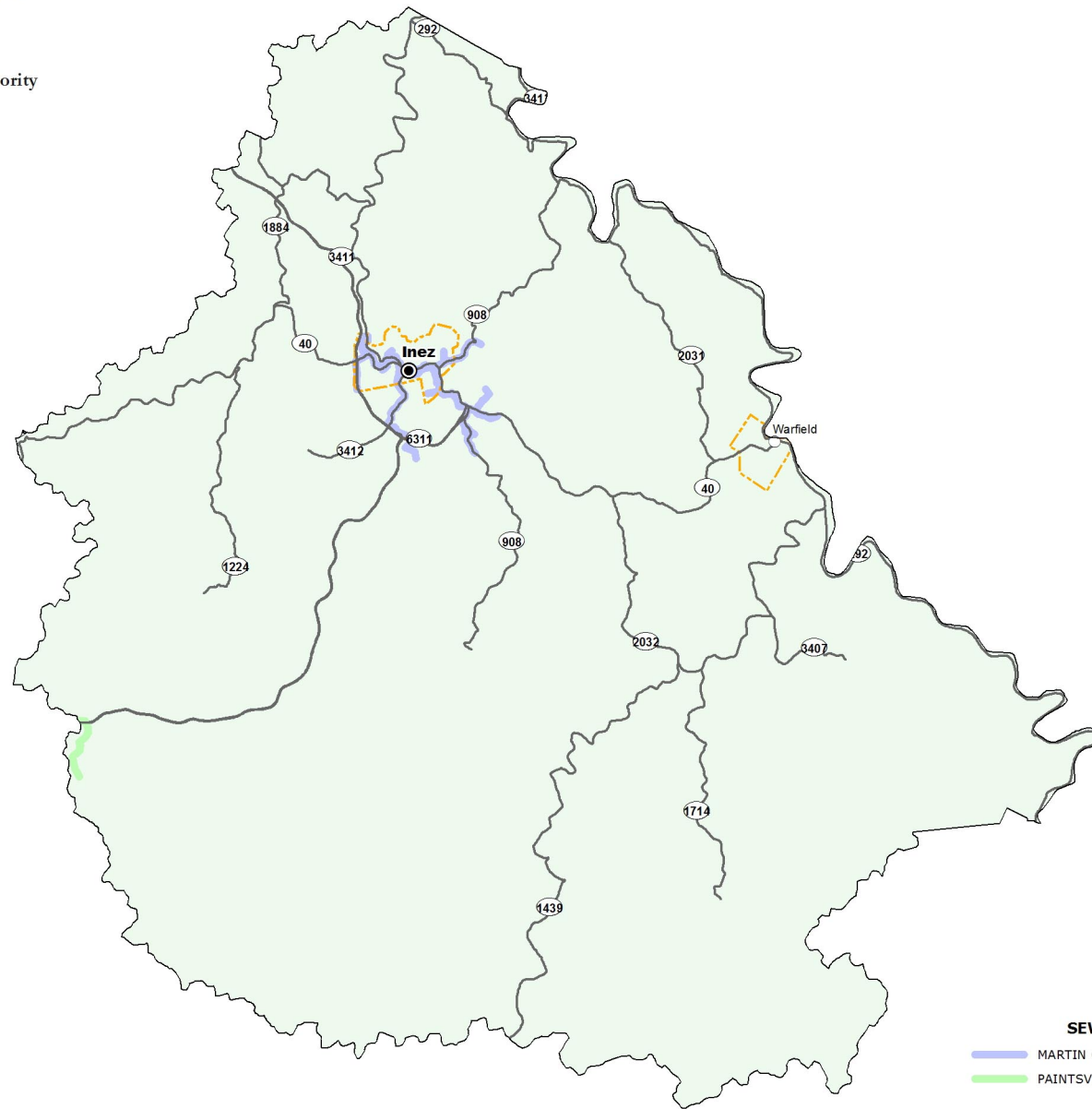
## SEWER SERVICE AREAS MARTIN COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- MARTIN COUNTY SANITATION DISTRICT
- PAINTSVILLE UTILITIES COMMISSION - HONEY BRANCH

## Martin County (continued)

### System Summary for Lovely Kentucky Sewage Disposal System

Permit ID	KY0102822	Treats Wastewater	Yes, 0.0015 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.10	Total KISOP Treated (MG)	-
Residential Customers	5	Total Treated (MG)	0.015
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Lovely Kentucky Sewage Disposal System**

## Martin County (continued)

### System Summary for Martin County Sanitation District

Permit ID	<b>KY0079316</b>	Treats Wastewater	Yes, 0.26 MGD with 0.11 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	687
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$30.00	Total KISOP Treated (MG)	-
Residential Customers	568	Total Treated (MG)	49,270
Commercial Customers	119	Number of Manholes	11
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 12.34 miles (Collection: 12.29 miles, Interceptors: 0.05 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Martin County Sanitation District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21159010</b>	Inez Sanitary Sewer Replacement	6-10 Years	Not Funded	\$4,131,350	Martin		
<b>SX21159006</b>	Martin County Water District Sanitary Sewer Extensions	3-5 Years	Not Funded	\$3,068,055	Martin		
<b>SX21159012</b>	Inez Sewer Commission - Inez Wastewater Treatment Plant Upgrade	6-10 Years	Not Funded	\$1,402,545	Martin		
<b>SX21159007</b>	Martin County Sanitation District - Belt Press and Sludge Handling	0-2 Years	Not Funded	\$1,021,600	Martin		



## Martin County (continued)

### System Summary for Tug Valley Sewer Auth WWTP

Permit ID	<b>KY0107905</b>	Treats Wastewater	Yes, 0.2 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Tug Valley Sewer Auth WWTP**

# Menifee County

- 2010 census population of 6,306 (3,744 households) with 15% serviceable.
- Projected 2020 population of 6,038 (change of -268).
- Menifee County has 14.40 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,950,540.
- There are no projects planned from 6 to 10 years.



Menifee County has a 2010 census population count of 6,306 (3,744 households) with a projected 2020 population count of 6,038 (2,422 households). Public sewer is currently available to approximately 15 percent of the county's households based on 2010 census counts. Over the next ten years approximately 95 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 216 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Frenchburg	4	\$5,100,540	95	-	8.00	-	-
Menifee County Sanitation District #1	2	\$850,000	-	216	-	-	-
<b>Totals:</b>	<b>6</b>	<b>\$5,950,540</b>	<b>95</b>	<b>216</b>	<b>8.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Menifee County

Note: Serviceability counts are for households within Menifee county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0040584</a>	Frenchburg Water and Sewer	Menifee	676	370
<a href="#">KY0100901</a>	Menifee County Sanitation District # 1	Menifee	401	169
		<b>Totals:</b>	1,077	539

## SEWER SERVICE AREAS MENIFEE COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- FRENCHBURG CIVIL CONSERVATION CENTER
- FRENCHBURG WATER AND SEWER
- MENIFEE COUNTY BOARD OF EDUCATION
- MENIFEE COUNTY SANITATION DISTRICT # 1

## Menifee County (continued)

### System Summary for Frenchburg Water and Sewer

Permit ID	<a href="#">KY0040584</a>	Treats Wastewater	Yes, 0.22 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	260
Owner Type	Incorporated City	KISOP Sender	No
Employees	7	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	208	Total Treated (MG)	51.100
Commercial Customers	52	Number of Manholes	85
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 7.98 miles (Collection: 7.89 miles, Interceptors: 0.10 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Frenchburg Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21165010</a>	City of Frenchburg Ponder Branch Sewer Extension	3-5 Years	Not Funded	\$100,290	Menifee	23	2
<a href="#">SX21165015</a>	City of Frenchburg Bryant Lane/Shotgun Hollow Sewer Line Extension Project	3-5 Years	Not Funded	\$650,250	Menifee	26	3
<a href="#">SX21165013</a>	City of Frenchburg Tower Road and Crescent Hill Wastewater Collection Improvements	3-5 Years	Not Funded	\$350,000	Menifee	28	4
<a href="#">SX21165007</a>	City of Frenchburg McCausey/Amos Ridge Extension Project	3-5 Years	Not Funded	\$4,000,000	Menifee	35	5

## Menifee County (continued)

### System Summary for Menifee County Sanitation District # 1

Permit ID	<b>KY0100901</b>	Treats Wastewater	Yes, 0.045 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	116
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$25.00	Total KISOP Treated (MG)	-
Residential Customers	110	Total Treated (MG)	10.950
Commercial Customers	2	Number of Manholes	63
Institutional Customers	-	Number of Lift Stations	4
Industrial Customers	4	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 5.44 miles (Collection: 5.30 miles, Interceptors: 0.14 miles ).			

MG = Million Gallons.

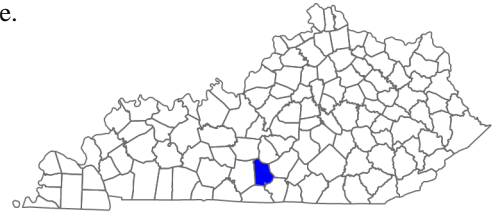
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Menifee County Sanitation District # 1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21165017</b>	Menifee County Sanitation District No. 1 Equalization Basin	3-5 Years	Not Funded	\$750,000	Menifee	21	1
<b>SX21165014</b>	Menifee County Sanitation District System Improvement Project Phase 2	3-5 Years	Not Funded	\$100,000	Menifee	50	6

# Metcalfe County

- 2010 census population of 10,099 (4,681 households) with 17% serviceable.
- Projected 2020 population of 10,329 (change of 230).
- Metcalfe County has 19.42 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$1,375,000.
- There are no projects planned from 6 to 10 years.



Metcalfe County has a 2010 census population count of 10,099 (4,681 households) with a projected 2020 population count of 10,329 (4,306 households). Public sewer is currently available to approximately 17 percent of the county's households based on 2010 census counts. Over the next ten years approximately 33 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 808 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Edmonton	5	\$1,375,000	33	808	5.00	-	
<b>Totals:</b>	<b>5</b>	<b>\$1,375,000</b>	<b>33</b>	<b>808</b>	<b>5.00</b>	<b>-</b>	

## Public Wastewater Systems in Metcalfe County

Note: Serviceability counts are for households within Metcalfe county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0028100</a>	Edmonton Water Works	Metcalfe	1,590	808
		<b>Totals:</b>	1,590	808

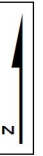
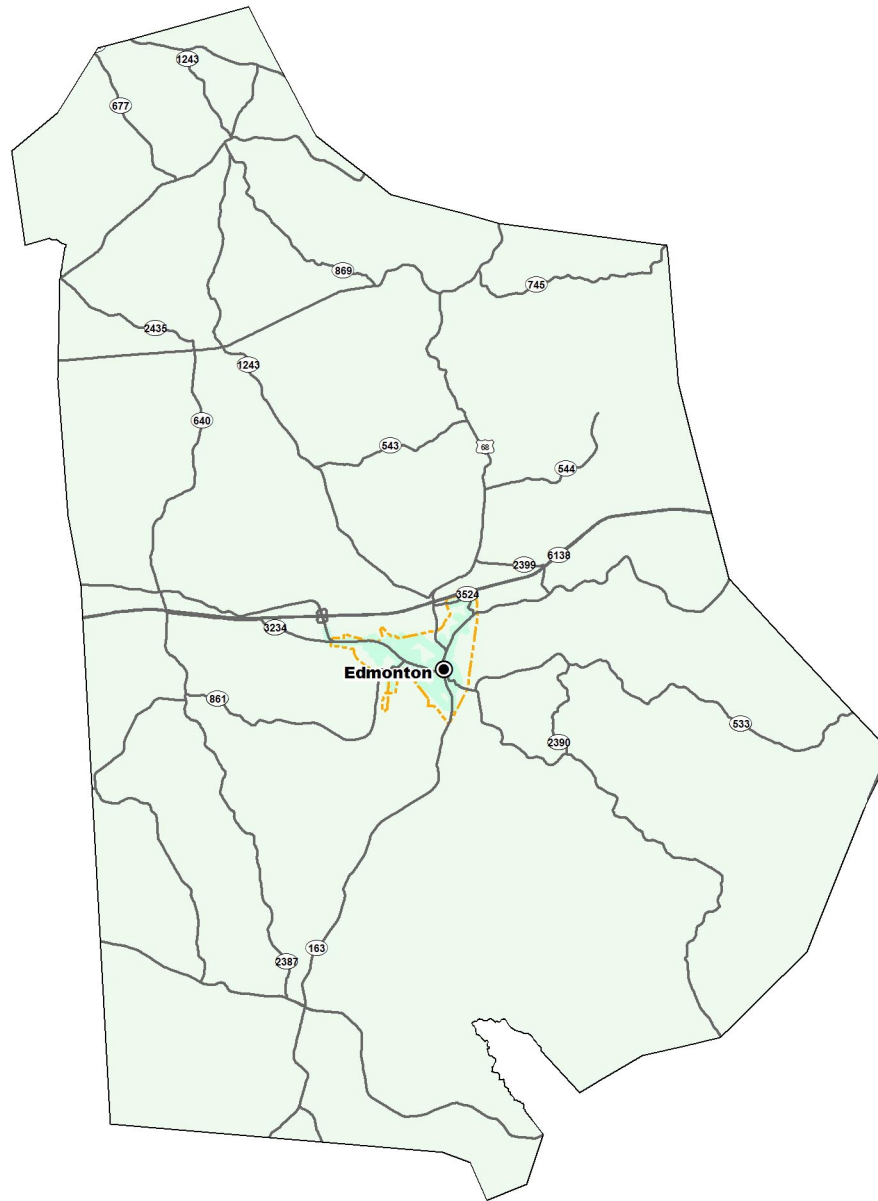
## SEWER SERVICE AREAS METCALFE COUNTY

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March, 2013



**SEWER SERVICE BY OWNER**  
EDMONTON WATER WORKS

## Metcalfe County (continued)

### System Summary for Edmonton Water Works

Permit ID	<b>KY0028100</b>	Treats Wastewater	Yes, 0.51 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	683
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.15	Total KISOP Treated (MG)	-
Residential Customers	515	Total Treated (MG)	73.000
Commercial Customers	164	Number of Manholes	358
Institutional Customers	-	Number of Lift Stations	8
Industrial Customers	4	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 19.42 miles (Collection: 19.16 miles, Interceptors: 0.26 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Edmonton Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21169012</b>	Edmonton - Old Glasgow Street Area Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	7	1
<b>SX21169007</b>	Edmonton - Cumberland Parkway Area Extension	3-5 Years	Not Funded	\$400,000	Metcalfe	19	2
<b>SX21169008</b>	Edmonton - River Road Project Extension	3-5 Years	Not Funded	\$300,000	Metcalfe	24	3
<b>SX21169005</b>	Edmonton - Wastewater Facility Plan	0-2 Years	Not Funded	\$25,000	Metcalfe	34	4
<b>SX21169011</b>	Edmonton - Harvey Hurt Rd. Area Extension	3-5 Years	Not Funded	\$350,000	Metcalfe	39	5



# Monroe County

- 2010 census population of 10,963 (5,204 households) with 29% serviceable.
- Projected 2020 population of 10,405 (change of -558).
- Monroe County has 38.59 miles of existing sewer lines.
- 5.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$3,013,000.
- There are no projects planned from 6 to 10 years.



Monroe County has a 2010 census population count of 10,963 (5,204 households) with a projected 2020 population count of 10,405 (4,423 households). Public sewer is currently available to approximately 29 percent of the county's households based on 2010 census counts. Over the next ten years approximately 130 serviceable households will be added through the construction of 5.00 miles of sewer line extensions and approximately 1,325 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Gamaliel	1	\$1,010,000	-	209	-	-	-
City of Tompkinsville	2	\$1,450,000	130	-	5.00	-	-
Fountain Run Water District #1	2	\$553,000	-	1,116	-	-	-
<b>Totals:</b>	<b>5</b>	<b>\$3,013,000</b>	<b>130</b>	<b>1,325</b>	<b>5.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Monroe County

Note: Serviceability counts are for households within Monroe county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KIA171001</a>	Fountain Run Water District #1	Monroe	222	131
<a href="#">KY0095257</a>	Gamaliel Municipal Water & Wastewater Department	Monroe	456	215
<a href="#">KY0020702</a>	Tompkinsville Sewer Department	Monroe	2,321	1,160
		<b>Totals:</b>	2,999	1,506

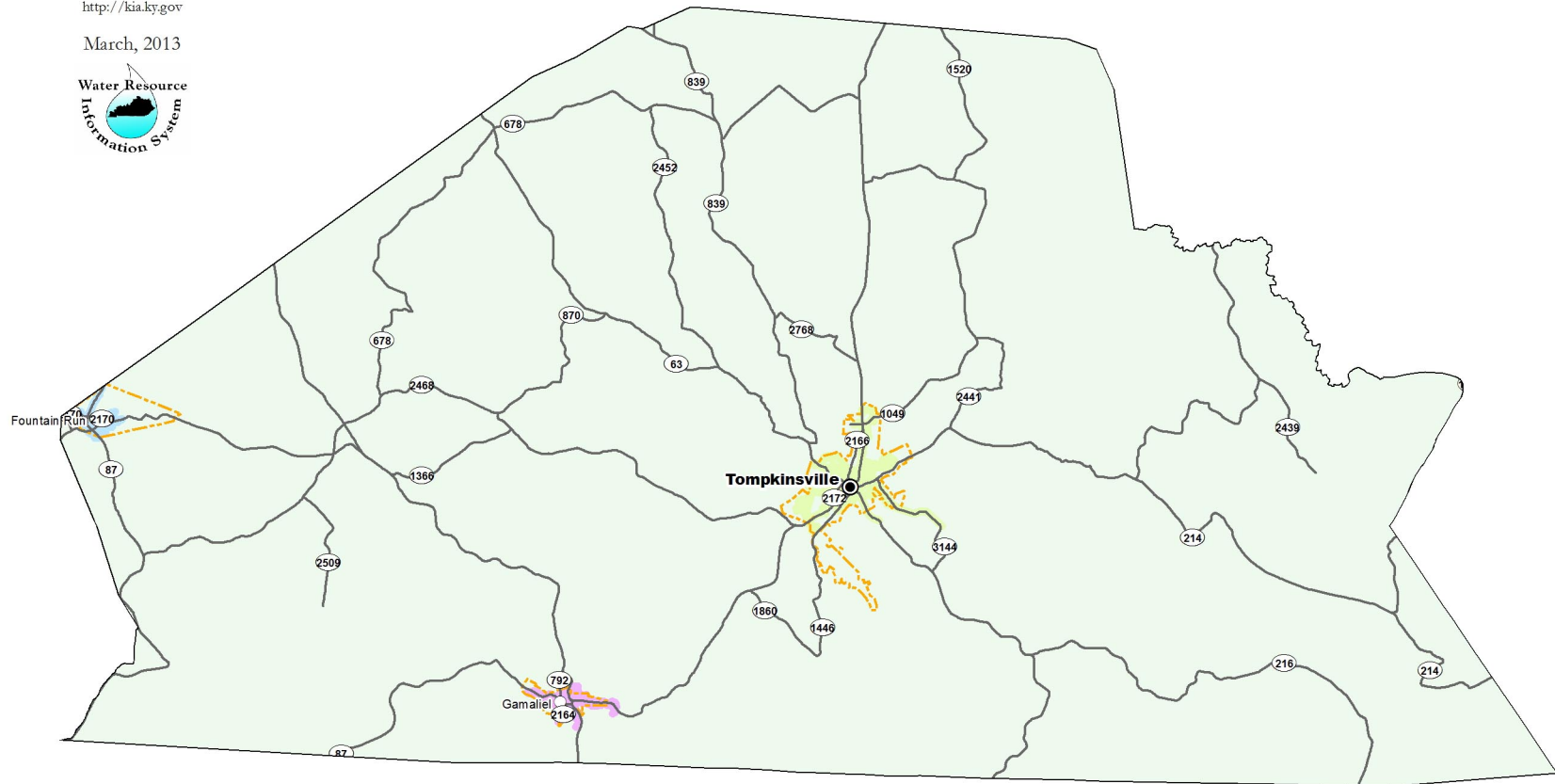
# SEWER SERVICE AREAS MONROE COUNTY

Kentucky

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March, 2013



## SEWER SERVICE BY OWNER

- FOUNTAIN RUN WATER DISTRICT #1
- GAMALIEL MUNICIPAL WATER & WASTEWATER DEPARTMENT
- TOMPKINSVILLE SEWER DEPARTMENT

## Monroe County (continued)

### System Summary for Fountain Run Water District #1

Permit ID	<b>KIA171001</b>	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	130
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	4	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$18.80	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	9
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 6.61 miles (Collection: 6.61 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Fountain Run Water District #1

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21171014</b>	Fountain Run Water District #1 - Sewer System Improvements	3-5 Years	Not Funded	\$360,000	Monroe	4	1
<b>SX21171018</b>	Fountain Run Water District #1 - SCADA control system for the sewer system	3-5 Years	Not Funded	\$193,000	Monroe	27	3

## Monroe County (continued)

### System Summary for Gamaliel Municipal Water & Wastewater Department

Permit ID	<a href="#">KY0095257</a>	Treats Wastewater	Yes, 0.1 MGD with 0.04 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	215
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$21.00	Total KISOP Treated (MG)	-
Residential Customers	199	Total Treated (MG)	14.900
Commercial Customers	15	Number of Manholes	0
Institutional Customers	1	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 85% Constructed
Total Collection System Line Length = 7.61 miles (Collection: 7.45 miles, Interceptors: 0.15 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Gamaliel Municipal Water & Wastewater Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21171006</a>	City of Gamaliel - Sewer Rehabilitation Project	0-2 Years	Partially Funded	\$1,010,000	Monroe		

## Monroe County (continued)

### System Summary for Tompkinsville Sewer Department

Permit ID	<b>KY0020702</b>	Treats Wastewater	Yes, 0.67 MGD with 0.26 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	977
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$13.10	Total KISOP Treated (MG)	-
Residential Customers	743	Total Treated (MG)	136.875
Commercial Customers	165	Number of Manholes	236
Institutional Customers	34	Number of Lift Stations	9
Industrial Customers	1	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 24.44 miles (Collection: 24.44 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Tompkinsville Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21171003</b>	City of Tompkinsville - Collection System Extensions to Unserved Areas	3-5 Years	Not Funded	\$1,000,000	Monroe	20	2
<b>SX21171008</b>	City of Tompkinsville - Sewer Extension to Joe Harrison Carter School	3-5 Years	Not Funded	\$450,000	Monroe	35	4

# Montgomery County

- 2010 census population of 26,499 (11,699 households) with 54% serviceable.
- Projected 2020 population of 30,750 (change of 4,251).
- Montgomery County has 110.05 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,240,589.
- There are no projects planned from 6 to 10 years.



Montgomery County has a 2010 census population count of 26,499 (11,699 households) with a projected 2020 population count of 30,750 (12,483 households). Public sewer is currently available to approximately 54 percent of the county's households based on 2010 census counts. Over the next ten years approximately 50,430 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Montgomery County Sanitation District #2	9	\$1,900,589	-	5,895	-	2.00	
Mount Sterling Water and Sewer	15	\$3,340,000	-	44,535	-	1.00	
<b>Totals:</b>	<b>24</b>	<b>\$5,240,589</b>	<b>-</b>	<b>50,430</b>	<b>-</b>	<b>3.00</b>	

## Public Wastewater Systems in Montgomery County

Note: Serviceability counts are for households within Montgomery county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0069736</a>	Montgomery County Sanitation Dist #2	Montgomery	1,767	791
<a href="#">KY0104400</a>	Mount Sterling Water and Sewer System	Montgomery	11,863	5,473
		<b>Totals:</b>	13,630	6,264

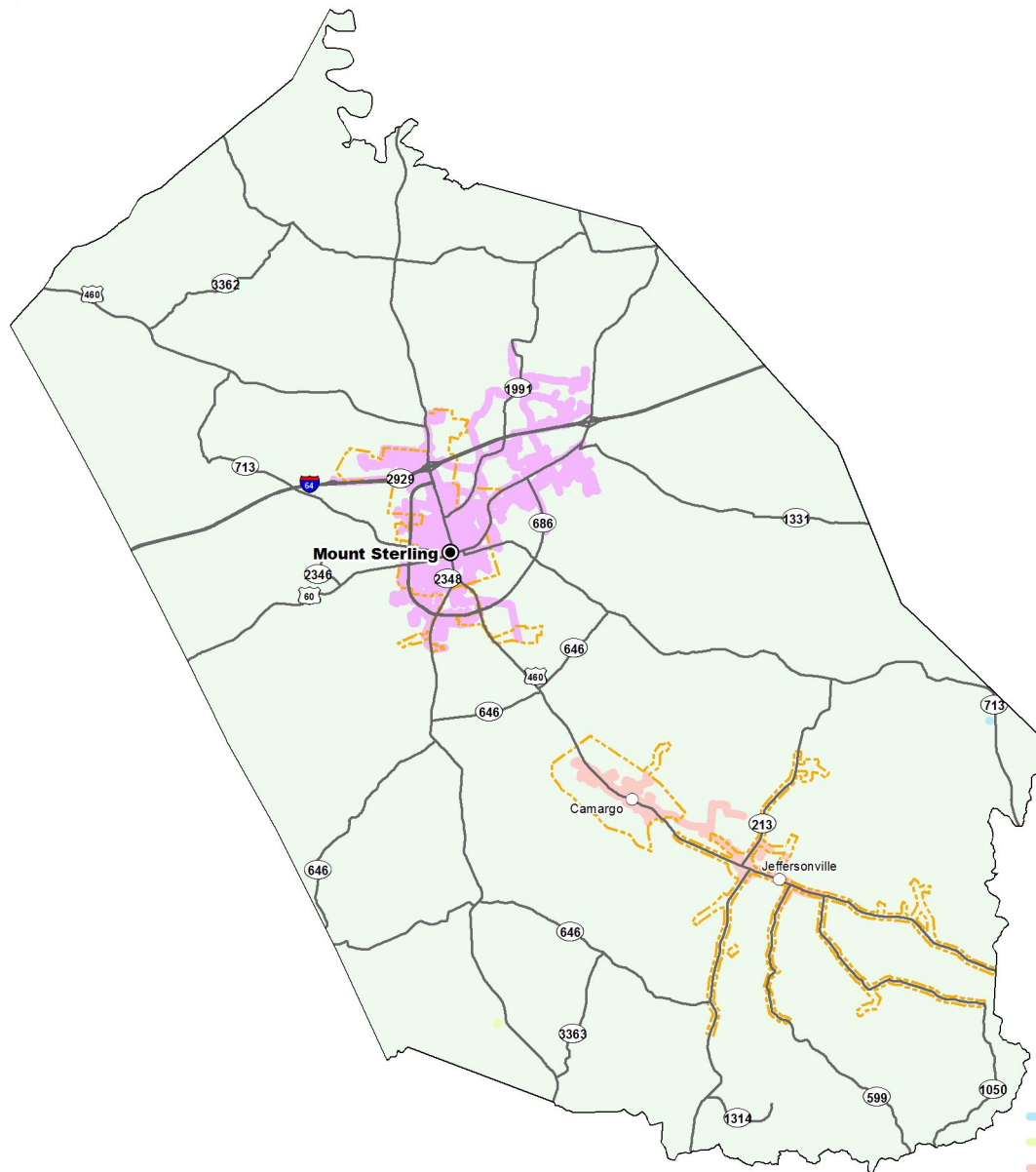
# SEWER SERVICE AREAS MONTGOMERY COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- HOPE HILL CHILDRENS HOME
- MCKEE SCOUT RESERVATION
- MONTGOMERY COUNTY SANITATION DIST #2
- MOUNT STERLING WATER AND SEWER SYSTEM

## Montgomery County (continued)

### System Summary for Montgomery County Sanitation Dist #2

Permit ID	KY0069736	Treats Wastewater	Yes, 0.28 MGD with 0.14 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	655
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$35.01	Total KISOP Treated (MG)	-
Residential Customers	617	Total Treated (MG)	51.000
Commercial Customers	37	Number of Manholes	273
Institutional Customers	-	Number of Lift Stations	20
Industrial Customers	1	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 95% Constructed
Total Collection System Line Length = 17.67 miles (Collection: 16.09 miles, Interceptors: 1.58 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Montgomery County Sanitation Dist #2

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21173066</a>	Montgomery County Sanitation Dist #2 Boom and Clarifier Weirs Replacement Project	3-5 Years	Not Funded	\$75,000	Montgomery	10	5
<a href="#">SX21173063</a>	Montgomery County Sanitation District No. 2 Sludge Holding Tank	3-5 Years	Not Funded	\$170,089	Montgomery	12	6
<a href="#">SX21173033</a>	Montgomery County Sanitation District No. 2 Head Works Screen Pr	3-5 Years	Not Funded	\$200,000	Montgomery	15	7
<a href="#">SX21173024</a>	Montgomery County Sanitation District No. 2 Pump Station No. 5 P	3-5 Years	Not Funded	\$267,000	Montgomery	16	8
<a href="#">SX21173010</a>	Montgomery Co. Sanitation Dist.#2 Pump Station and Line Upgrade	3-5 Years	Not Funded	\$464,000	Montgomery	17	9
<a href="#">SX21173034</a>	Montgomery County Sanitation District No. 2 Pump Station Upgrade	3-5 Years	Not Funded	\$510,000	Montgomery	18	10
<a href="#">SX21173046</a>	Montgomery County Sanitation District Upgrade Chlorine Room At W	3-5 Years	Not Funded	\$14,500	Montgomery	43	20
<a href="#">SX21173048</a>	Montgomery County Sanitation District No. 2 Phosphate Reduction	3-5 Years	Not Funded	\$100,000	Montgomery	44	21
<a href="#">SX21173062</a>	Montgomery County Sanitation District No. 2 Combo Vac Truck Proj	3-5 Years	Not Funded	\$100,000	Montgomery	45	22



## Montgomery County (continued)

### System Summary for Mount Sterling Water and Sewer System

Permit ID	<b>KY0104400</b>	Treats Wastewater	Yes, 3 MGD with 1.79 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,760
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	34	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.65	Total KISOP Treated (MG)	-
Residential Customers	4,145	Total Treated (MG)	653.350
Commercial Customers	578	Number of Manholes	3421
Institutional Customers	10	Number of Lift Stations	17
Industrial Customers	27	Percent Lines 20 yrs or Older	55%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 92.36 miles (Collection: 88.62 miles, Interceptors: 3.74 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Mount Sterling Water and Sewer System

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21173023</b>	Mt. Sterling Water & Sewer Long Wood Tie In Project	3-5 Years	Not Funded	\$275,000	Montgomery	4	1
<b>SX21173014</b>	Mt. Sterling Water & Sewer System Manhole Rehab Project	3-5 Years	Not Funded	\$625,000	Montgomery	5	2
<b>SX21173027</b>	Mount Sterling Water and Sewer SCADA System Replacement Project	3-5 Years	Not Funded	\$45,000	Montgomery	8	3
<b>SX21173017</b>	Mt. Sterling Water & Sewer Portable Diesel Pump Project	3-5 Years	Not Funded	\$75,000	Montgomery	9	4
<b>SX21173064</b>	Mt. Sterling Water & Sewer WWTP Generator Project	3-5 Years	Not Funded	\$150,000	Montgomery	31	11
<b>SX21173055</b>	Mt. Sterling Water & Sewer I&I Study and Repair Project	3-5 Years	Not Funded	\$1,000,000	Montgomery	32	12
<b>SX21173051</b>	Mt. Sterling Water & Sewer Doe Run Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	36	13
<b>SX21173052</b>	Mt. Sterling Water & Sewer Spencer Road Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	37	14
<b>SX21173053</b>	Mt. Sterling Water & Sewer Alliance Acres Lift Station Upgrade	3-5 Years	Not Funded	\$85,000	Montgomery	38	15
<b>SX21173054</b>	Mt. Sterling Water & Sewer LMS Pump Station Elimination	3-5 Years	Not Funded	\$100,000	Montgomery	39	16
<b>SX21173015</b>	Mt. Sterling Water & Sewer Eastland Heights Lift Station Upgrade	3-5 Years	Not Funded	\$75,000	Montgomery	40	17
<b>SX21173049</b>	Mt. Sterling Water & Sewer Woodford Drive Lift Station Upgrade P	3-5 Years	Not Funded	\$100,000	Montgomery	41	18
<b>SX21173050</b>	Mt. Sterling Water & Sewer Arlington Avenue Lift Station Upgrade	3-5 Years	Not Funded	\$175,000	Montgomery	42	19
<b>SX21173056</b>	Mt. Sterling Water & Sewer System Mapping Project	3-5 Years	Not Funded	\$225,000	Montgomery	47	23
<b>SX21173059</b>	Mt. Sterling Water & Sewer Combo Vac Truck Project	3-5 Years	Not Funded	\$240,000	Montgomery	48	24

# Morgan County

- 2010 census population of 13,923 (5,830 households) with 15% serviceable.
- Projected 2020 population of 14,023 (change of 100).
- Morgan County has 30.19 miles of existing sewer lines.
- 11.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,063,029.
- There are no projects planned from 6 to 10 years.



Morgan County has a 2010 census population count of 13,923 (5,830 households) with a projected 2020 population count of 14,023 (5,126 households). Public sewer is currently available to approximately 15 percent of the county's households based on 2010 census counts. Over the next ten years approximately 463 serviceable households will be added through the construction of 11.00 miles of sewer line extensions and approximately 1,674 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of West Liberty	5	\$5,063,029	463	1,674	11.00	-	
<b>Totals:</b>	<b>5</b>	<b>\$5,063,029</b>	<b>463</b>	<b>1,674</b>	<b>11.00</b>	<b>-</b>	

## Public Wastewater Systems in Morgan County

Note: Serviceability counts are for households within Morgan county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0089567</a>	West Liberty Sewer	Morgan	3,561	848
		<b>Totals:</b>	3,561	848

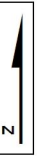
## SEWER SERVICE AREAS MORGAN COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- EAST VALLEY ELEM SCHOOL
- EZEL ELEM SCHOOL
- WEST LIBERTY SEWER
- WOODSBEND YOUTH DEVELOPMENT CENTER

## Morgan County (continued)

### System Summary for West Liberty Sewer

Permit ID	<b>KY0089567</b>	Treats Wastewater	Yes, 0.85 MGD with 0.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	558
Owner Type	Incorporated City	KISOP Sender	No
Employees	8	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$32.12	Total KISOP Treated (MG)	-
Residential Customers	439	Total Treated (MG)	182.500
Commercial Customers	99	Number of Manholes	140
Institutional Customers	17	Number of Lift Stations	18
Industrial Customers	3	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 29.86 miles (Collection: 29.70 miles, Interceptors: 0.16 miles ).			

MG = Million Gallons.

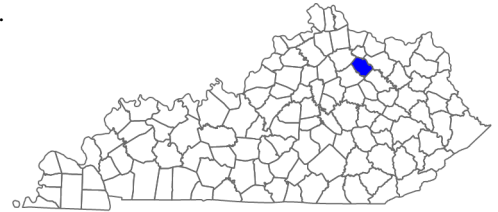
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for West Liberty Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21175008</b>	City of West Liberty Wastewater Improvements Miscellaneous Sanitary Sewer Extensions - Contract 3	0-2 Years	Not Funded	\$1,210,016	Morgan	1	1
<b>SX21175013</b>	City of West Liberty Liberty Road Sewer Extension	3-5 Years	Not Funded	\$3,257,940	Morgan	3	2
<b>SX21175020</b>	City of West Liberty Camera Inspection Equipment Purchase Project	3-5 Years	Not Funded	\$85,168	Morgan	14	3
<b>SX21175021</b>	City of West Liberty WWTP Rehab Project	3-5 Years	Not Funded	\$424,737	Morgan	20	4
<b>SX21175009</b>	City of West Liberty Jet Rodding Truck Equipment Purchase Project	3-5 Years	Not Funded	\$85,168	Morgan	46	5

# Nicholas County

- 2010 census population of 7,135 (3,261 households) with 39% serviceable.
- Projected 2020 population of 7,411 (change of 276).
- Nicholas County has 26.07 miles of existing sewer lines.
- There are no line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$525,000.
- There are no projects planned from 6 to 10 years.



Nicholas County has a 2010 census population count of 7,135 (3,261 households) with a projected 2020 population count of 7,411 (3,012 households). Public sewer is currently available to approximately 39 percent of the county's households based on 2010 census counts. Over the next ten years.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Carlisle	1	\$525,000	-	-	-	-	-
<b>Totals:</b>	<b>1</b>	<b>\$525,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Nicholas County

Note: Serviceability counts are for households within Nicholas county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020923</a>	Carlisle Sewer Department	Nicholas	2,253	1,148
<a href="#">KIA181001</a>	Nicholas County Sanitation District #2	Nicholas	183	107
		<b>Totals:</b>	2,436	1,255

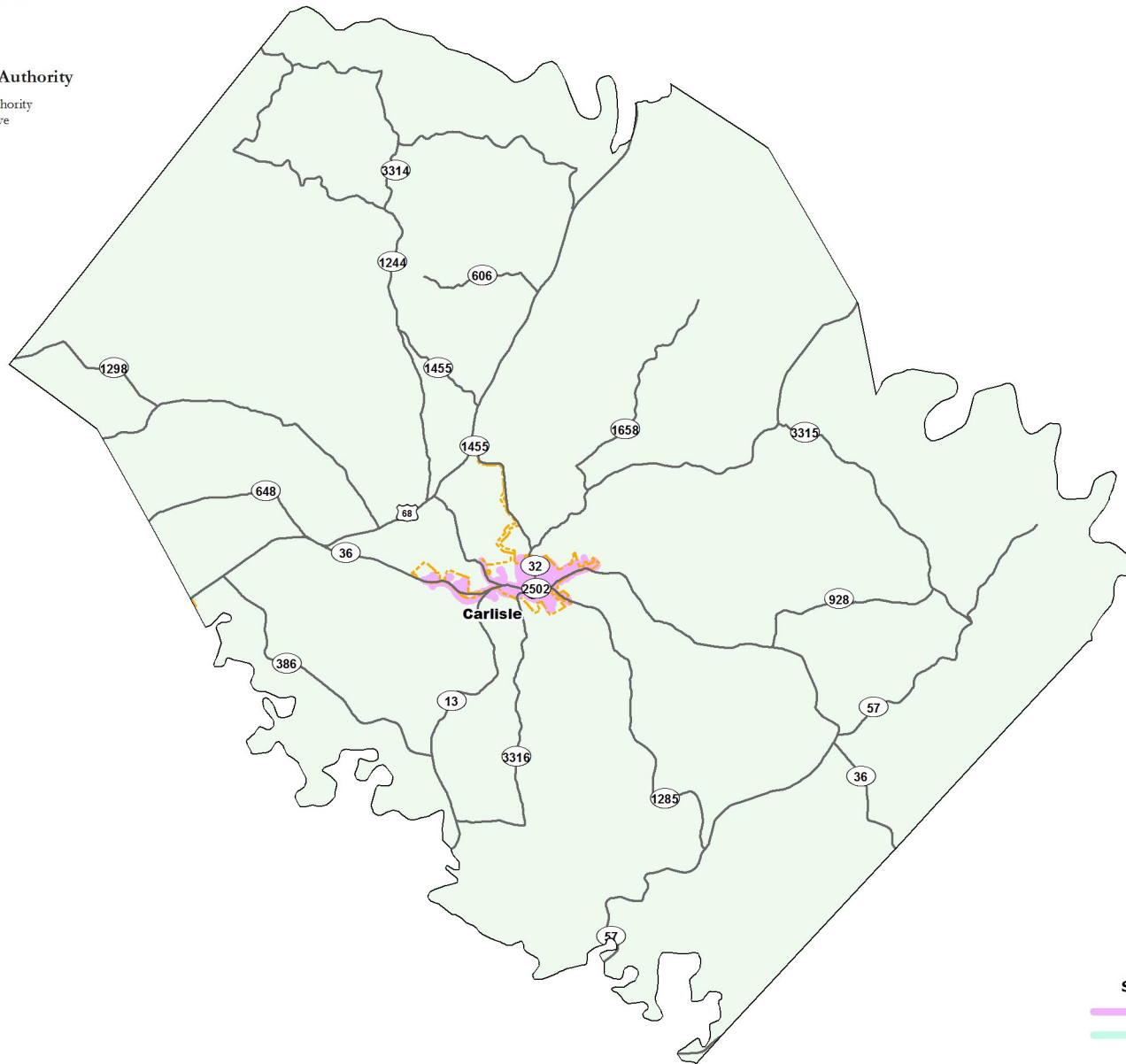
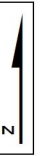
## SEWER SERVICE AREAS NICHOLAS COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- CARLISLE SEWER DEPARTMENT
- MILLERSBURG SEWER DEPARTMENT

## Nicholas County (continued)

### System Summary for Carlisle Sewer Department

Permit ID	<b>KY0020923</b>	Treats Wastewater	Yes, 0.35 MGD with 0.28 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,074
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$23.52	Total KISOP Treated (MG)	-
Residential Customers	903	Total Treated (MG)	100.375
Commercial Customers	74	Number of Manholes	354
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 18.78 miles (Collection: 17.80 miles, Interceptors: 0.98 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Carlisle Sewer Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21181005</b>	Carlisle Wastewater Collection Rehabilitation	0-2 Years	Not Funded	\$525,000	Nicholas		

## Nicholas County (continued)

### System Summary for Nicholas County Sanitation District #2

Permit ID	<b>KIA181001</b>	Treats Wastewater	No
System Type	KIA Non-Permitted	Total Connections	102
Owner Type	Sewer and Sanitation District	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$66.75	Total KISOP Treated (MG)	-
Residential Customers	102	Total Treated (MG)	4.000
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 7.21 miles (Collection: 7.21 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Nicholas County Sanitation District #2**



# Owsley County

- 2010 census population of 4,755 (2,328 households) with 17% serviceable.
- Projected 2020 population of 4,704 (change of -51).
- Owsley County has 21.84 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$9,526,000.
- There are no projects planned from 6 to 10 years.



Owsley County has a 2010 census population count of 4,755 (2,328 households) with a projected 2020 population count of 4,704 (1,971 households). Public sewer is currently available to approximately 17 percent of the county's households based on 2010 census counts. Over the next ten years approximately 528 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 705 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Booneville	6	\$9,526,000	528	705	8.00	3.00	
<b>Totals:</b>	<b>6</b>	<b>\$9,526,000</b>	<b>528</b>	<b>705</b>	<b>8.00</b>	<b>3.00</b>	

## Public Wastewater Systems in Owsley County

Note: Serviceability counts are for households within Owsley county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0033774</a>	Booneville Water and Sewer	Owsley	830	393
		<b>Totals:</b>	830	393

## SEWER SERVICE AREAS OWSLEY COUNTY

Kentucky

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### SEWER SERVICE BY OWNER

BOONEVILLE WATER AND SEWER

## Owsley County (continued)

### System Summary for Booneville Water and Sewer

Permit ID	<b>KY0033774</b>	Treats Wastewater	Yes, 0.2 MGD with 0.25 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	438
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$22.50	Total KISOP Treated (MG)	-
Residential Customers	339	Total Treated (MG)	91.177
Commercial Customers	99	Number of Manholes	200
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	20%
KISOP Customers	-	Has Facility Plan	Yes, 40% Constructed
Total Collection System Line Length = 21.83 miles (Collection: 18.77 miles, Interceptors: 3.06 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Booneville Water and Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21189002</b>	Booneville Pump Station Rehab	3-5 Years	Not Funded	\$273,500	Owsley	6	1
<b>SX21189005</b>	Booneville I/I Replacement Project	3-5 Years	Not Funded	\$1,526,000	Owsley	9	2
<b>SX21189003</b>	Booneville - Highway 11 Sewer Extensions	3-5 Years	Not Funded	\$2,239,900	Owsley		3
<b>SX21189600</b>	Booneville Hwy 1411 Sewer Extension	3-5 Years	Not Funded	\$602,600	Owsley		4
<b>SX21189430</b>	Booneville - Chestnut Gap Sewer Extension	3-5 Years	Not Funded	\$611,000	Owsley		5
<b>SX21189001</b>	Booneville Sanitary Sewer Extension	3-5 Years	Partially Funded	\$4,273,000	Owsley		

# Perry County

- 2010 census population of 28,712 (12,791 households) with 28% serviceable.
- Projected 2020 population of 28,137 (change of -575).
- Perry County has 63.58 miles of existing sewer lines.
- 20.00 miles of line extensions proposed in the next 10 years.
- 2.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$25,084,897.
- There are no projects planned from 6 to 10 years.



Perry County has a 2010 census population count of 28,712 (12,791 households) with a projected 2020 population count of 28,137 (11,637 households). Public sewer is currently available to approximately 28 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,390 serviceable households will be added through the construction of 20.00 miles of sewer line extensions and approximately 2,774 instances of improved service through the rehabilitation of 2.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Hazard	3	\$15,118,392	1,075	2,637	7.00	2.00	
City of Vicco	1	\$2,683,265	-	137	-	-	
Troublesome Creek Environmental Authority	2	\$7,283,240	315	-	13.00	-	
<b>Totals:</b>	<b>6</b>	<b>\$25,084,897</b>	<b>1,390</b>	<b>2,774</b>	<b>20.00</b>	<b>2.00</b>	

## Public Wastewater Systems in Perry County

Note: Serviceability counts are for households within Perry county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020079</a>	Hazard Wastewater	Perry	6,313	2,917
<a href="#">KYP000034</a>	Perry County Sanitation District #1	Perry	961	440
<a href="#">KY0060259</a>	Vicco Wastewater	Perry	346	156
		<b>Totals:</b>	7,620	3,513

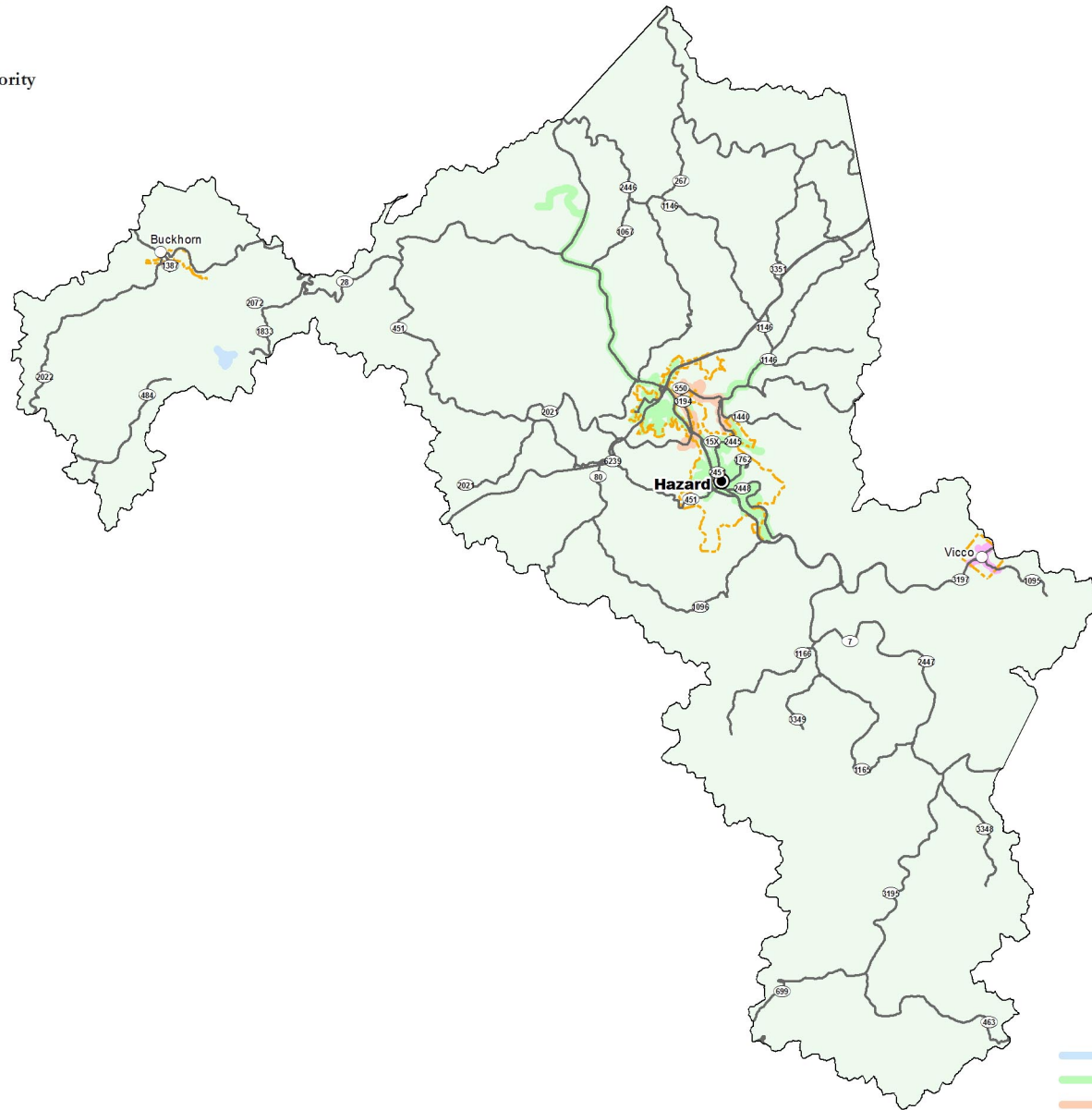
# SEWER SERVICE AREAS PERRY COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

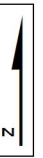
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March, 2013



## SEWER SERVICE BY OWNER

- BUCKHORN LAKE STATE RESORT PARK
- HAZARD WASTEWATER
- PERRY COUNTY SANITATION DISTRICT #1
- VICCO WASTEWATER



## Perry County (continued)

### System Summary for Hazard Wastewater

Permit ID	<b>KY0020079</b>	Treats Wastewater	Yes, 3 MGD with 1.859 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,500
Owner Type	Incorporated City	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$14.24	Total KISOP Treated (MG)	24.899
Residential Customers	2,367	Total Treated (MG)	653.771
Commercial Customers	125	Number of Manholes	450
Institutional Customers	7	Number of Lift Stations	24
Industrial Customers	1	Percent Lines 20 yrs or Older	80%
KISOP Customers	1	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 49.72 miles (Collection: 48.88 miles, Interceptors: 0.84 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Hazard Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21193003</b>	Hazard Sanitary Trunk Rehabilitation	3-5 Years	Not Funded	\$3,211,510	Perry	8	2
<b>SX21193145</b>	Hazard - Bulan Hardburley Sewer Extension Phase II	3-5 Years	Not Funded	\$7,203,441	Perry		
<b>SX21193002</b>	Bulan/Hiner Sewer Extensions	3-5 Years	Not Funded	\$4,703,441	Perry		

## Perry County (continued)

### System Summary for Perry County Sanitation District #1

Permit ID	KYP000034	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	731
Owner Type	Sewer and Sanitation District	KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	24.899
Cost Per 4000 Gallons	\$31.20	Total KISOP Treated (MG)	-
Residential Customers	653	Total Treated (MG)	-
Commercial Customers	58	Number of Manholes	130
Institutional Customers	20	Number of Lift Stations	14
Industrial Customers	-	Percent Lines 20 yrs or Older	95%
KISOP Customers	-	Has Facility Plan	Yes, 3% Constructed
Total Collection System Line Length = 9.11 miles (Collection: 8.40 miles, Interceptors: 0.71 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Perry County Sanitation District #1**

## Perry County (continued)

### System Summary for Vicco Wastewater

Permit ID	<b>KY0060259</b>	Treats Wastewater	Yes, 0.1 MGD with 0.076 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	131
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$27.44	Total KISOP Treated (MG)	-
Residential Customers	121	Total Treated (MG)	27.893
Commercial Customers	10	Number of Manholes	150
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	99%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 3.27 miles (Collection: 3.27 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Vicco Wastewater

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21193006</b>	Vicco Wastewater Treatment Plant & Sewer Collection Project - Phase III	3-5 Years	Not Funded	\$2,683,265	Perry	7	1



# Pike County

- 2010 census population of 65,024 (30,304 households) with 22% serviceable.
- Projected 2020 population of 61,991 (change of -3,033).
- Pike County has 141.71 miles of existing sewer lines.
- 39.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$60,787,982.
- Estimated funding needs for projects from 6 to 10 years: \$1,943,760.



Pike County has a 2010 census population count of 65,024 (30,304 households) with a projected 2020 population count of 61,991 (26,357 households). Public sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,528 serviceable households will be added through the construction of 39.00 miles of sewer line extensions and approximately 10,530 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Elkhorn City	4	\$1,027,200	25	150	1.00	-	
City of Pikeville	9	\$31,788,150	600	8,154	13.00	-	
Mountain Water District	6	\$27,510,032	874	2,226	24.00	-	
Pike County Fiscal Court	1	\$113,860	-	-	-	-	
Southern Water & Sewer District	1	\$2,292,500	29	-	1.00	-	
<b>Totals:</b>	<b>21</b>	<b>\$62,731,742</b>	<b>1,528</b>	<b>10,530</b>	<b>39.00</b>	<b>-</b>	

## Public Wastewater Systems in Pike County

Note: Serviceability counts are for households within Pike county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0020958</a>	Elkhorn City Water Department	Pike	1,014	494
<a href="#">KY0042811</a>	Mountain Water District - Douglas	Pike	1,722	850
<a href="#">KY0025291</a>	Pikeville Wastewater Treatment Plant	Pike	11,175	5,232
		<b>Totals:</b>	13,911	6,576

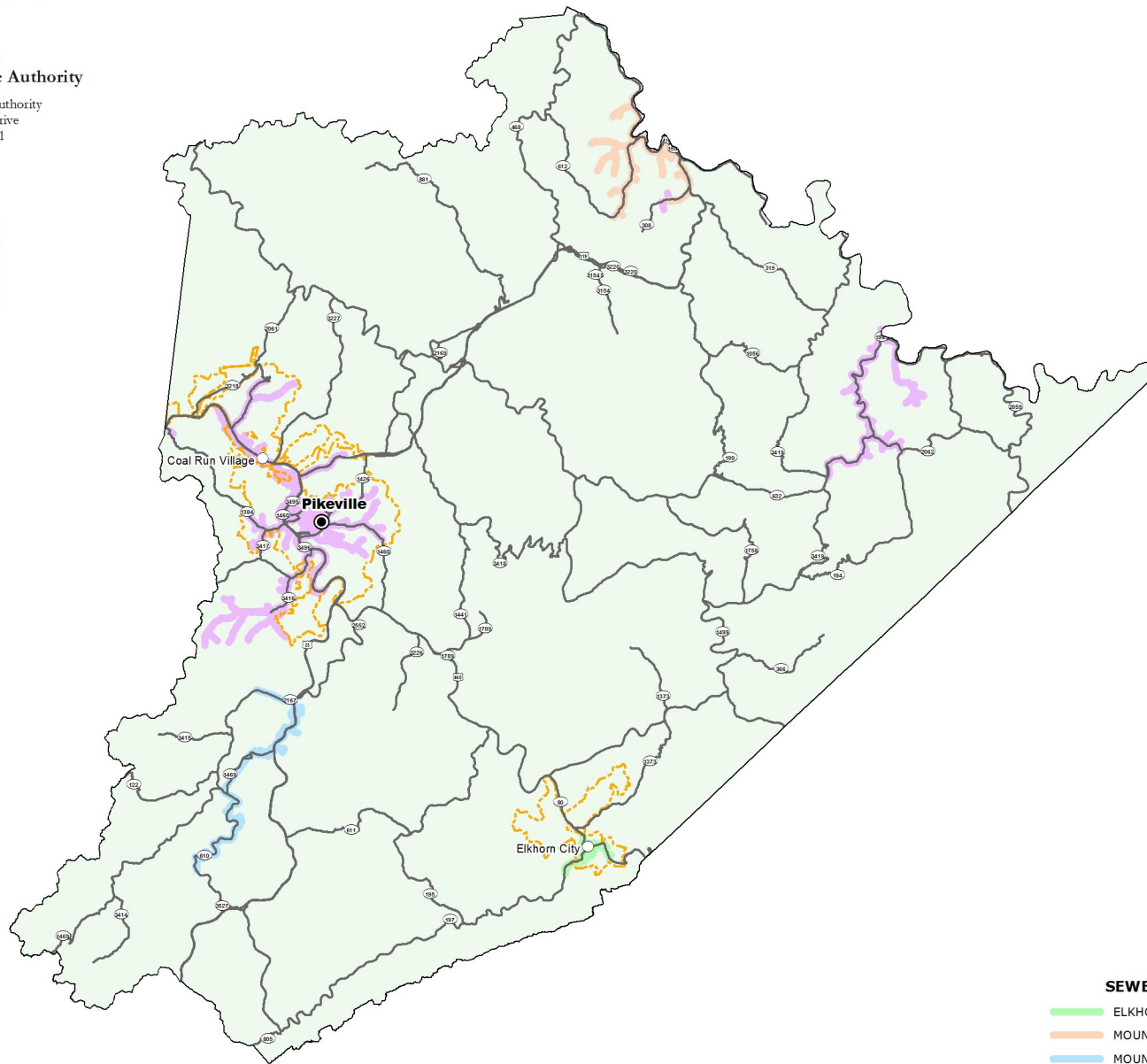
## SEWER SERVICE AREAS PIKE COUNTY

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March, 2013



### SEWER SERVICE BY OWNER

- ELKHORN CITY WATER DEPARTMENT
- MOUNTAIN WATER DISTRICT
- MOUNTAIN WATER DISTRICT - DOUGLAS
- PIKEVILLE WASTEWATER TREATMENT PLANT

## Pike County (continued)

### System Summary for Elkhorn City Water Department

Permit ID	<b>KY0020958</b>	Treats Wastewater	Yes, 0.15 MGD with 0.13 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	429
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$30.50	Total KISOP Treated (MG)	-
Residential Customers	376	Total Treated (MG)	54.000
Commercial Customers	53	Number of Manholes	75
Institutional Customers	-	Number of Lift Stations	7
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 8.77 miles (Collection: 8.73 miles, Interceptors: 0.04 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Elkhorn City Water Department

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21195018</b>	Elkhorn City Wastewater Elkhorn City Wastewater Improvements	0-2 Years	Not Funded	\$22,800	Pike	2	1
<b>SX21195020</b>	Elkhorn City Upper Branch Sewer Project	3-5 Years	Not Funded	\$554,400	Pike		
<b>SX21195009</b>	Elhorn City - Centerville Sewer Line	3-5 Years	Not Funded	\$250,000	Pike		
<b>SX21195008</b>	Elkhorn City - Ball Park Sewerline and Looney Addition	3-5 Years	Not Funded	\$200,000	Pike		

## Pike County (continued)

### System Summary for Maple Valley Subdivision

Permit ID	<b>KY0098353</b>	Treats Wastewater	Yes, 0.003 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	38	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Maple Valley Subdivision**

## Pike County (continued)

### System Summary for Modern Home Park Inc

Permit ID	<b>KY0096857</b>	Treats Wastewater	Yes, 0.006 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	25	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Modern Home Park Inc**

## Pike County (continued)

### System Summary for Mountain Water District

Permit ID	<b>KYP000067</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	Yes, to 1 receiver.
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$24.72	Total KISOP Treated (MG)	-
Residential Customers	3,855	Total Treated (MG)	-
Commercial Customers	380	Number of Manholes	20
Institutional Customers	-	Number of Lift Stations	16
Industrial Customers	3	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 10% Constructed
Total Collection System Line Length = 20.90 miles (Collection: 0.19 miles, Interceptors: 20.71 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Mountain Water District

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21195692</b>	MWD - Belfry-Pond Sewer Project	0-2 Years	Partially Funded	\$7,450,175	Pike	12	4
<b>SX21195693</b>	Scott Fork Phase 2	3-5 Years	Not Funded	\$14,826,122	Pike		
<b>SX21195696</b>	MWD - Forest Hills Phase III	6-10 Years	Not Funded	\$425,000	Pike		
<b>SX21195004</b>	MWD- Sewer Lift Station Upgrades	0-2 Years	Not Funded	\$400,000	Pike		

## Pike County (continued)

### System Summary for Mountain Water District - Branham Heights Treatment Plant

Permit ID	KY0096580	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	2	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Mountain Water District - Branham Heights Treatment Plant**

## Pike County (continued)

### System Summary for Mountain Water District - Douglas

Permit ID	<a href="#">KY0042811</a>	Treats Wastewater	Yes, 0.2 MGD with 0.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	710
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	649	Total Treated (MG)	39.204
Commercial Customers	42	Number of Manholes	12
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	5%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 17.18 miles (Collection: 17.18 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Mountain Water District - Douglas

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21195699</a>	Douglas WWTP Expansion	0-2 Years	Partially Funded	\$3,058,735	Pike	7	3



## Pike County (continued)

### System Summary for Mountain Water District - Phelps Freeburn

Permit ID	<b>KY0104442</b>	Treats Wastewater	Yes, 0.25 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	56	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	866	Total Treated (MG)	44.900
Commercial Customers	-	Number of Manholes	1
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 77% Constructed
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Mountain Water District - Phelps Freeburn

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21195694</b>	MWD - Scott Fork Temporary Septic System	6-10 Years	Not Funded	\$113,860	Pike		

## Pike County (continued)

### System Summary for Mountain Water District - Shelbiana MHP

Permit ID	KY0099805	Treats Wastewater	Yes, 0.09 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Mountain Water District - Shelbiana MHP**

## Pike County (continued)

### System Summary for Mountain Water District - Stone Heights Wastewater Fac

Permit ID	<b>KY0029343</b>	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Mountain Water District - Stone Heights Wastewater Fac**

## Pike County (continued)

### System Summary for Mountain Water District - Willow Place

Permit ID	<a href="#">KY0082708</a>	Treats Wastewater	Yes, 0.01 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Mountain Water District - Willow Place**

## Pike County (continued)

### System Summary for Pikeville Wastewater Treatment Plant

Permit ID	<b>KY0025291</b>	Treats Wastewater	Yes, 2 MGD with 0.74 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	4,600
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$23.60	Total KISOP Treated (MG)	-
Residential Customers	4,042	Total Treated (MG)	540.000
Commercial Customers	554	Number of Manholes	1600
Institutional Customers	4	Number of Lift Stations	12
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 80% Constructed
Total Collection System Line Length = 97.21 miles (Collection: 97.06 miles, Interceptors: 0.15 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Pikeville Wastewater Treatment Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21195024</b>	City of Pikeville KY Wastewater Treatment Plant Upgrade	0-2 Years	Partially Funded	\$21,945,000	Pike	3	2
<b>SX21195131</b>	Hurricane Creek	0-2 Years	Not Funded	\$6,108,250	Pike		
<b>SX21195129</b>	Kinninnick	6-10 Years	Not Funded	\$1,004,900	Pike		
<b>SX21195133</b>	Pikeville WWTP Headworks Reconstruction	0-2 Years	Not Funded	\$1,000,000	Pike		
<b>SX21195011</b>	Thompson Road (Walmart P-13) Lift Station	3-5 Years	Not Funded	\$500,000	Pike		
<b>SX21195107</b>	Pikeville #7 Lift Station Replacement	0-2 Years	Not Funded	\$475,000	Pike		
<b>SX21195139</b>	Buckleys Creek Sewer	0-2 Years	Not Funded	\$355,000	Pike		
<b>SX21195116</b>	Pikeville WWTP Emergency Electrical Generator	6-10 Years	Not Funded	\$200,000	Pike		
<b>SX21195120</b>	Pikeville Sewer Telemetry Project	6-10 Years	Not Funded	\$200,000	Pike		

## Pike County (continued)

### System Summary for T & N MHP

Permit ID	<b>KY0076511</b>	Treats Wastewater	Yes, 0.003 MGD with 0 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.00	Total KISOP Treated (MG)	-
Residential Customers	8	Total Treated (MG)	0.432
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 0.00 miles (Collection: 0.00 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for T & N MHP**

# Powell County

- 2010 census population of 12,613 (5,598 households) with 34% serviceable.
- Projected 2020 population of 12,319 (change of -294).
- Powell County has 50.46 miles of existing sewer lines.
- 9.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,924,650.
- Estimated funding needs for projects from 6 to 10 years: \$4,066,000.



Powell County has a 2010 census population count of 12,613 (5,598 households) with a projected 2020 population count of 12,319 (4,860 households). Public sewer is currently available to approximately 34 percent of the county's households based on 2010 census counts. Over the next ten years approximately 270 serviceable households will be added through the construction of 9.00 miles of sewer line extensions and approximately 1,223 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Clay City	2	\$2,364,000	200	-	5.00	-	-
City of Stanton	2	\$2,452,000	12	1,223	-	-	-
Powells Valley Water District	3	\$2,174,650	58	-	4.00	-	-
<b>Totals:</b>	<b>7</b>	<b>\$6,990,650</b>	<b>270</b>	<b>1,223</b>	<b>9.00</b>	<b>-</b>	<b>-</b>

## Public Wastewater Systems in Powell County

Note: Serviceability counts are for households within Powell county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KYP000084</a>	Clay City WWTP	Powell	1,203	581
<a href="#">KY0104078</a>	Powells Valley Water District Sewer Division	Powell	71	59
<a href="#">KYP000085</a>	Stanton, City of	Powell	2,908	1,274
		<b>Totals:</b>	4,182	1,914



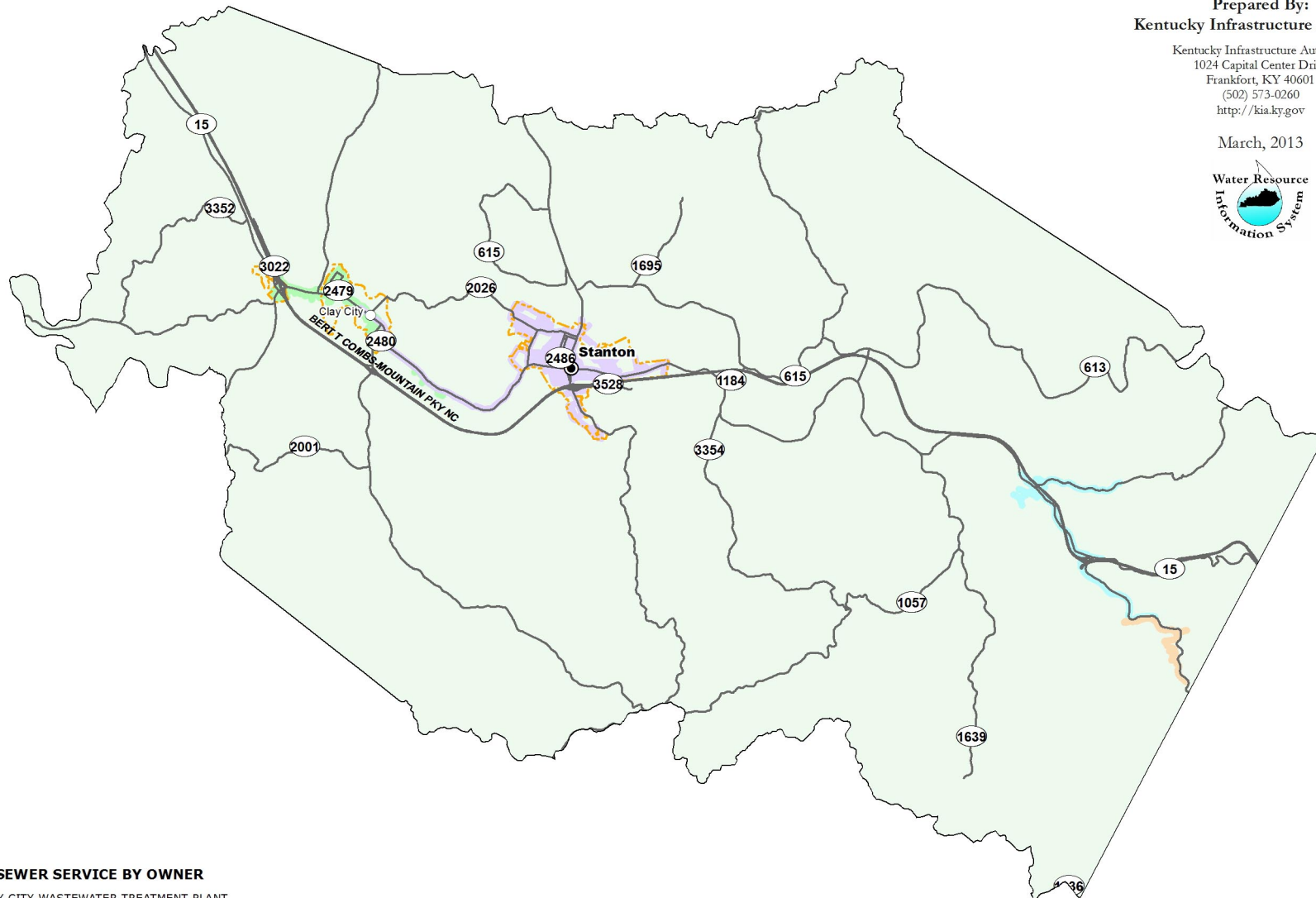
# SEWER SERVICE AREAS POWELL COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
1024 Capital Center Drive  
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March, 2013



## SEWER SERVICE BY OWNER

- CLAY CITY WASTEWATER TREATMENT PLANT
- KY DOP NATURAL BRIDGE ST PARK
- POWELLS VALLEY WATER DISTRICT SEWER DIVISION
- STANTON SEWER DEPARTMENT



## Powell County (continued)

### System Summary for Clay City Wastewater Treatment Plant

Permit ID	<b>KY0025119</b>	Treats Wastewater	Yes, 0.2 MGD with 0.17 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	406
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$29.80	Total KISOP Treated (MG)	-
Residential Customers	344	Total Treated (MG)	104.390
Commercial Customers	56	Number of Manholes	223
Institutional Customers	-	Number of Lift Stations	12
Industrial Customers	6	Percent Lines 20 yrs or Older	90%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.32 miles (Collection: 0.18 miles, Interceptors: 1.14 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Clay City Wastewater Treatment Plant

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21197008</b>	Clay City-Sanitary Sewer Expansion, Phase I	6-10 Years	Not Funded	\$2,064,000	Powell		
<b>SX21197002</b>	Clay City Stormwater Relief Project	6-10 Years	Not Funded	\$300,000	Powell		

## Powell County (continued)

### System Summary for Clay City WWTP

Permit ID	KYP000084	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 10.15 miles (Collection: 7.17 miles, Interceptors: 2.98 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Clay City WWTP**

## Powell County (continued)

### System Summary for Powells Valley Water District Sewer Division

Permit ID	<b>KY0104078</b>	Treats Wastewater	Yes, 0.08 MGD with 0.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	93
Owner Type	Water District (KRS 74)	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$50.24	Total KISOP Treated (MG)	-
Residential Customers	70	Total Treated (MG)	8.395
Commercial Customers	37	Number of Manholes	68
Institutional Customers	-	Number of Lift Stations	6
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 7.13 miles (Collection: 3.29 miles, Interceptors: 3.84 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Powells Valley Water District Sewer Division

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21197013</b>	Powells Valley Water District - Manning Road Sanitary Sewer Extension Project	3-5 Years	Not Funded	\$1,220,000	Powell		
<b>SX21197003</b>	Powells Valley WD-Slade/Nada Sewer Line Extensions, Phase 2	3-5 Years	Not Funded	\$569,650	Powell		
<b>SX21197011</b>	Powells Valley - Cabin Country Sanitary Sewer Extensions Project	3-5 Years	Not Funded	\$385,000	Powell		

## Powell County (continued)

### System Summary for Red River Wastewater Authority

Permit ID	<b>KY0034428</b>	Treats Wastewater	Yes, 0.46 MGD with 0.53 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	-
Owner Type	Governmental Non-Profit Sewer Utility	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$29.80	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	202.900
Commercial Customers	-	Number of Manholes	355
Institutional Customers	-	Number of Lift Stations	13
Industrial Customers	-	Percent Lines 20 yrs or Older	90%
KISOP Customers	1	Has Facility Plan	No
Total Collection System Line Length = 5.15 miles (Collection: 0.00 miles, Interceptors: 5.15 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Red River Wastewater Authority

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21197006</b>	Stanton-Sanitary Sewer Service Area Expansion, Phase I	6-10 Years	Not Funded	\$1,702,000	Powell		
<b>SX21197010</b>	Stanton SSES and Sewer Rehab	0-2 Years	Partially Funded	\$750,000	Powell		

## Powell County (continued)

### System Summary for Stanton, City of

Permit ID	KYP000085	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	No
Employees	-	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	-	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 24.05 miles (Collection: 21.00 miles, Interceptors: 3.04 miles ).			

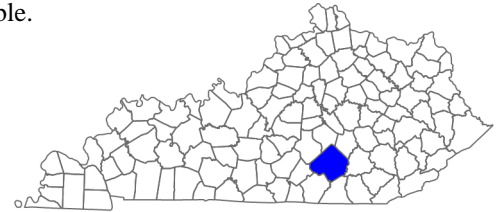
MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Stanton, City of**

# Pulaski County

- 2010 census population of 63,063 (31,443 households) with 22% serviceable.
- Projected 2020 population of 71,036 (change of 7,973).
- Pulaski County has 130.92 miles of existing sewer lines.
- 29.00 miles of line extensions proposed in the next 10 years.
- 4.00 miles of line rehabilitation proposed in the next 10 years.
- 14.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$16,924,000.
- There are no projects planned from 6 to 10 years.



Pulaski County has a 2010 census population count of 63,063 (31,443 households) with a projected 2020 population count of 71,036 (29,901 households). Public sewer is currently available to approximately 22 percent of the county's households based on 2010 census counts. Over the next ten years approximately 970 serviceable households will be added through the construction of 29.00 miles of sewer line extensions and approximately 137 instances of improved service through the rehabilitation of 4.00 miles of existing sewer lines and other appurtenances. 14.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Burnside	1	\$916,000	-	56	-	1.00	
City of Eubank	2	\$6,450,000	637	-	17.00	-	
City of Science Hill	4	\$6,118,000	180	81	8.00	3.00	
City of Somerset	1	\$2,940,000	153	-	4.00	-	
Kentucky Department of Parks	1	\$500,000	-	-	-	-	
<b>Totals:</b>	<b>9</b>	<b>\$16,924,000</b>	<b>970</b>	<b>137</b>	<b>29.00</b>	<b>4.00</b>	

## Public Wastewater Systems in Pulaski County

Note: Serviceability counts are for households within Pulaski county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KYP000069</a>	Burnside Municipal Water Works	Pulaski	523	278
<a href="#">KY0094447</a>	Science Hill Sewer	Pulaski	1,140	496
<a href="#">KY0026611</a>	Somerset Utilities	Pulaski	12,914	6,236
		<b>Totals:</b>	14,577	7,010

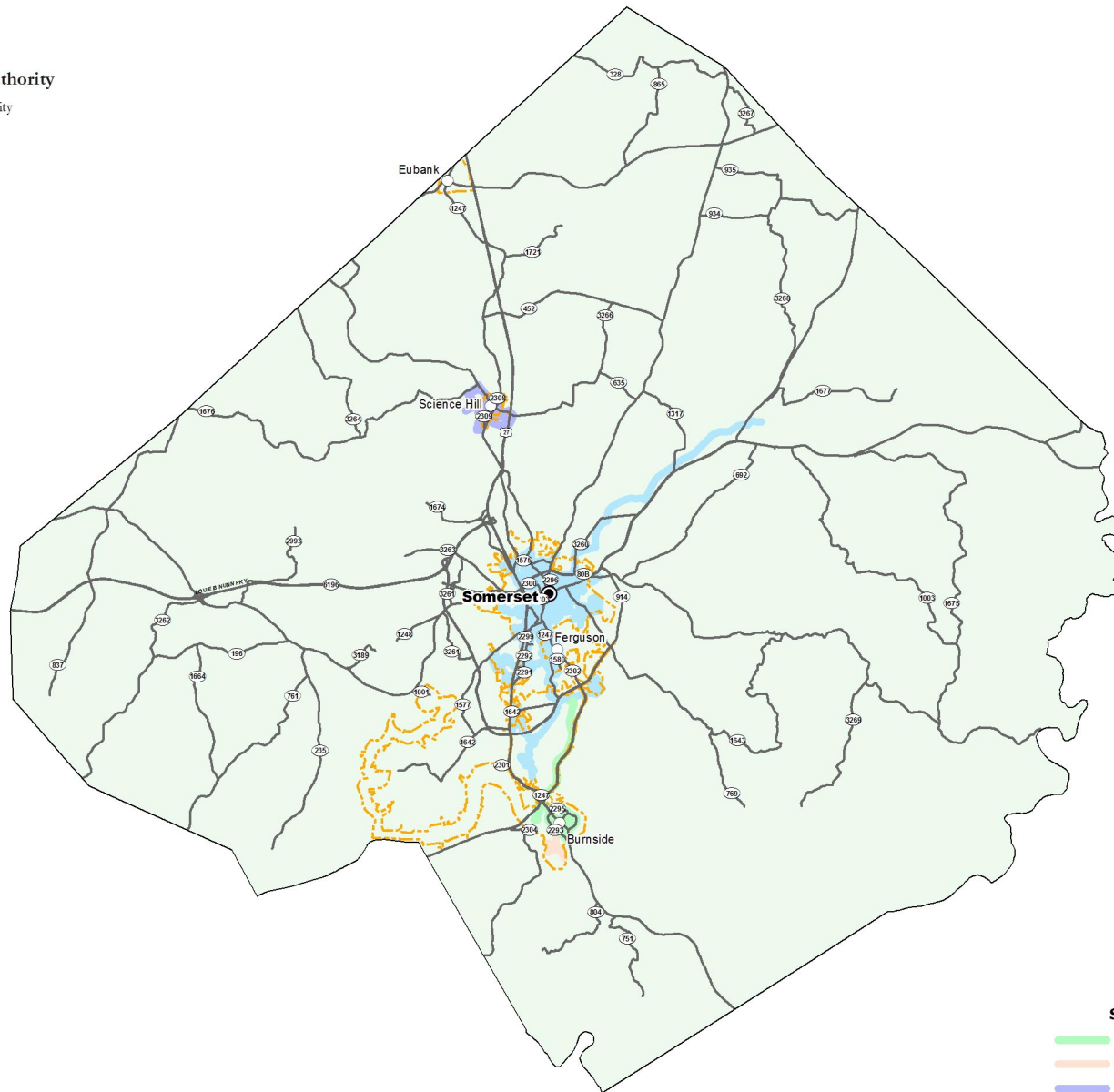
## SEWER SERVICE AREAS PULASKI COUNTY

Kentucky

Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
1024 Capital Center Drive  
Frankfort, KY 40601  
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March, 2013



### SEWER SERVICE BY OWNER

- BURNSIDE MUNICIPAL WATER WORKS
- GEN BURNSIDE WASTEWATER COLLECTION
- SCIENCE HILL SEWER
- SOMERSET UTILITIES

## Pulaski County (continued)

### System Summary for Burnside Municipal Water Works

Permit ID	<b>KYP000069</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	336
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	14.826
Cost Per 4000 Gallons	\$39.06	Total KISOP Treated (MG)	-
Residential Customers	301	Total Treated (MG)	-
Commercial Customers	27	Number of Manholes	70
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 12.88 miles (Collection: 8.74 miles, Interceptors: 4.14 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Burnside Municipal Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21199004</b>	City of Burnside - Sewer System Improvements	3-5 Years	Not Funded	\$916,000	Pulaski		



## Pulaski County (continued)

### System Summary for Gen Burnside Wastewater Collection

Permit ID	KYP000082	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	-
Owner Type		KISOP Sender	Yes, to 1 receiver.
Employees	1	Total KISOP Sent (MG)	0.415
Cost Per 4000 Gallons	-	Total KISOP Treated (MG)	-
Residential Customers	-	Total Treated (MG)	-
Commercial Customers	7	Number of Manholes	2
Institutional Customers	-	Number of Lift Stations	0
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	No
Total Collection System Line Length = 1.67 miles (Collection: 1.67 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Gen Burnside Wastewater Collection**

## Pulaski County (continued)

### System Summary for Science Hill Sewer

Permit ID	<a href="#">KY0094447</a>	Treats Wastewater	Yes, 0.15 MGD with 0.07 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	425
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$31.68	Total KISOP Treated (MG)	-
Residential Customers	402	Total Treated (MG)	25.600
Commercial Customers	22	Number of Manholes	290
Institutional Customers	1	Number of Lift Stations	10
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 25% Constructed
Total Collection System Line Length = 12.46 miles (Collection: 12.46 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Science Hill Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21199007</a>	City Sewer Improvements - PH 2/Norwood Rd-US 27 Sewer Extension/WWTP	3-5 Years	Not Funded	\$1,952,000	Pulaski		
<a href="#">SX21199003</a>	City of Science Hill Sewer Phase 2 Improvements & KY HWY 1247 Se	3-5 Years	Not Funded	\$1,733,000	Pulaski		
<a href="#">SX21199022</a>	Science Hill Sewer 0-2 Yr. Improvements & Additions	3-5 Years	Not Funded	\$1,420,000	Pulaski		
<a href="#">SX21199021</a>	Science Hill Sewer Improvements & Additions	3-5 Years	Partially Funded	\$1,013,000	Pulaski		

## Pulaski County (continued)

### System Summary for Somerset Utilities

Permit ID	<b>KY0026611</b>	Treats Wastewater	Yes, 4.4 MGD with 2.5 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	6,155
Owner Type	Incorporated City	KISOP Sender	No
Employees	21	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$10.31	Total KISOP Treated (MG)	15.241
Residential Customers	4,228	Total Treated (MG)	713.386
Commercial Customers	1,865	Number of Manholes	5003
Institutional Customers	-	Number of Lift Stations	27
Industrial Customers	5	Percent Lines 20 yrs or Older	75%
KISOP Customers	2	Has Facility Plan	Yes, 5% Constructed
Total Collection System Line Length = 103.91 miles (Collection: 103.91 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

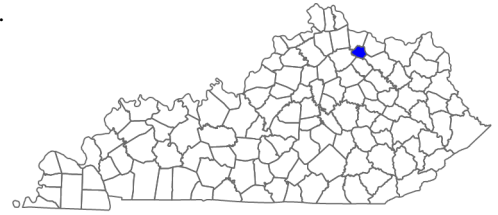
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Somerset Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21199033</b>	Ferguson – Sanitary Sewer Extensions	3-5 Years	Not Funded	\$2,940,000	Pulaski		

# Robertson County

- 2010 census population of 2,282 (1,095 households) with 24% serviceable.
- Projected 2020 population of 2,364 (change of 82).
- Robertson County has 14.08 miles of existing sewer lines.
- 4.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$2,724,000.
- There are no projects planned from 6 to 10 years.



Robertson County has a 2010 census population count of 2,282 (1,095 households) with a projected 2020 population count of 2,364 (965 households). Public sewer is currently available to approximately 24 percent of the county's households based on 2010 census counts. Over the next ten years approximately 49 serviceable households will be added through the construction of 4.00 miles of sewer line extensions and approximately 485 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Mount Olivet	3	\$2,724,000	49	485	4.00	-	
<b>Totals:</b>	<b>3</b>	<b>\$2,724,000</b>	<b>49</b>	<b>485</b>	<b>4.00</b>	<b>-</b>	

## Public Wastewater Systems in Robertson County

Note: Serviceability counts are for households within Robertson county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0104299</a>	Mount Olivet Sewer	Robertson	560	258
		<b>Totals:</b>	560	258

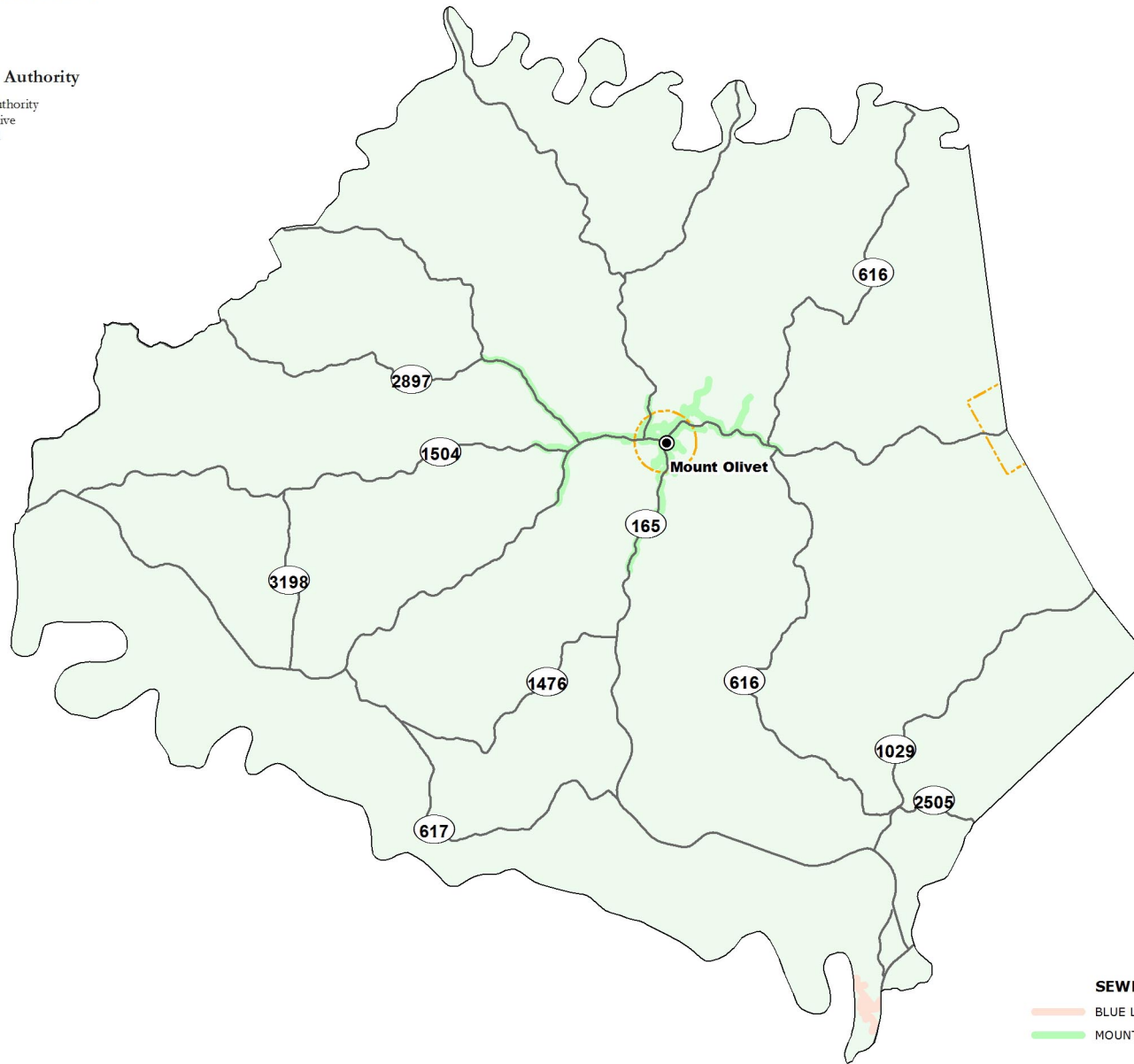
## SEWER SERVICE AREAS ROBERTSON COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- BLUE LICKS BATTLEFIELD STATE RESORT PARK
- MOUNT OLIVET SEWER

## Robertson County (continued)

### System Summary for Mount Olivet Sewer

Permit ID	<b>KY0104299</b>	Treats Wastewater	Yes, 0.04 MGD with 0.044 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	270
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$39.76	Total KISOP Treated (MG)	-
Residential Customers	229	Total Treated (MG)	13.475
Commercial Customers	20	Number of Manholes	7
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	0%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 12.64 miles (Collection: 12.63 miles, Interceptors: 0.01 miles ).			

MG = Million Gallons.

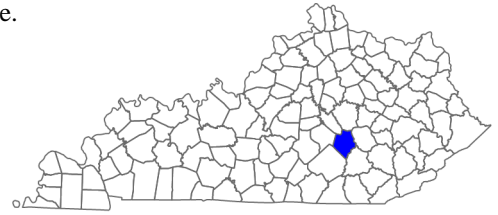
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Mount Olivet Sewer

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21201007</b>	Mt. Olivet Phase 1 - Wastewater Treatment Plant Upgrade	0-2 Years	Not Funded	\$65,000	Robertson	3	1
<b>SX21201008</b>	Mt. Olivet Phase 2 - Wastewater Treatment Plant Upgrade	3-5 Years	Not Funded	\$2,000,000	Robertson	8	2
<b>SX21201005</b>	Mt. Olivet Phase III Sewer Line Extension	3-5 Years	Not Funded	\$659,000	Robertson	13	3

# Rockcastle County

- 2010 census population of 17,056 (7,703 households) with 26% serviceable.
- Projected 2020 population of 17,593 (change of 537).
- Rockcastle County has 41.17 miles of existing sewer lines.
- 21.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$23,912,000.
- Estimated funding needs for projects from 6 to 10 years: \$3,926,000.



Rockcastle County has a 2010 census population count of 17,056 (7,703 households) with a projected 2020 population count of 17,593 (7,308 households). Public sewer is currently available to approximately 26 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,514 serviceable households will be added through the construction of 21.00 miles of sewer line extensions and approximately 2,788 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Brodhead	2	\$5,295,000	-	1,033	-	9.00	
City of Livingston	9	\$6,670,000	359	717	3.00	2.00	
City of Mount Vernon	7	\$15,873,000	1,155	1,038	18.00	2.00	
<b>Totals:</b>	<b>18</b>	<b>\$27,838,000</b>	<b>1,514</b>	<b>2,788</b>	<b>21.00</b>	<b>13.00</b>	

## Public Wastewater Systems in Rockcastle County

Note: Serviceability counts are for households within Rockcastle county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0047431</a>	City of Brodhead	Rockcastle	1,176	531
<a href="#">KY0040703</a>	City of Livingston	Rockcastle	198	105
<a href="#">KY0024694</a>	City of Mount Vernon	Rockcastle	2,867	1,355
		<b>Totals:</b>	4,241	1,991

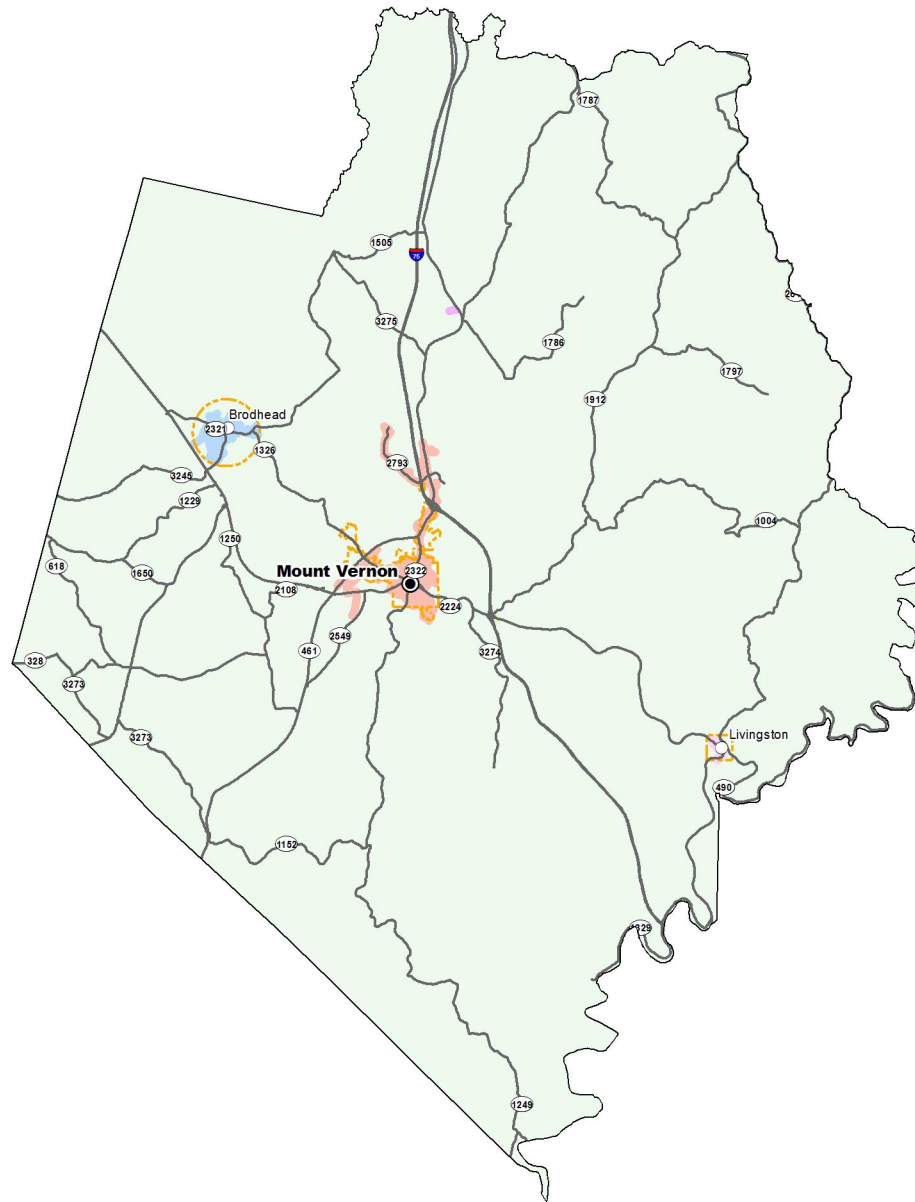
## SEWER SERVICE AREAS ROCKCASTLE COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- CITY OF BRODHEAD
- LIVINGSTON STP
- MT VERNON STP
- QUALITY SUNOCO
- ROUNDSTONE ELEMENTARY



## Rockcastle County (continued)

### System Summary for City of Brodhead

Permit ID	<a href="#">KY0047431</a>	Treats Wastewater	Yes, 0.15 MGD with 0.19 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	440
Owner Type	Incorporated City	KISOP Sender	No
Employees	3	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$32.89	Total KISOP Treated (MG)	-
Residential Customers	425	Total Treated (MG)	0.199
Commercial Customers	14	Number of Manholes	125
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	1	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 100% Constructed
Total Collection System Line Length = 8.32 miles (Collection: 8.24 miles, Interceptors: 0.08 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Brodhead

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21203316</a>	City of Brodhead - Sewer Rehabilitation	0-2 Years	Not Funded	\$1,775,000	Rockcastle	4	1
<a href="#">SX21203317</a>	City of Brodhead - WWTP Upgrade and Improvement	3-5 Years	Not Funded	\$3,520,000	Rockcastle		

## Rockcastle County (continued)

### System Summary for City of Livingston

Permit ID	<b>KY0040703</b>	Treats Wastewater	Yes, 0.04 MGD with 0.032 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	82
Owner Type	Incorporated City	KISOP Sender	No
Employees	2	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$27.60	Total KISOP Treated (MG)	-
Residential Customers	84	Total Treated (MG)	10.382
Commercial Customers	-	Number of Manholes	38
Institutional Customers	-	Number of Lift Stations	2
Industrial Customers	-	Percent Lines 20 yrs or Older	100%
KISOP Customers	-	Has Facility Plan	Yes, 20% Constructed
Total Collection System Line Length = 1.86 miles (Collection: 1.82 miles, Interceptors: 0.04 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Livingston

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21203153</b>	Wastewater System Improvements Project	3-5 Years	Not Funded	\$1,419,000	Rockcastle	7	2
<b>SX21203154</b>	City of Livingston - Sewer Rehabilitation	3-5 Years	Not Funded	\$2,000,000	Rockcastle		
<b>SX21203156</b>	City of Livingston - New 60,000 GPD WWTP	6-10 Years	Not Funded	\$718,000	Rockcastle		
<b>SX21203158</b>	City of Livingston - New Sewers - KY490 & Gauley to Piney Creek Roads	3-5 Years	Not Funded	\$718,000	Rockcastle		
<b>SX21203160</b>	City of Livingston - N.W. Sewer Line Rehab (Flows to P.S.)	3-5 Years	Not Funded	\$616,000	Rockcastle		
<b>SX21203159</b>	City of Livingston - S.E Sewer Line Rehab (Flows to WWTP)	3-5 Years	Not Funded	\$567,000	Rockcastle		
<b>SX21203157</b>	City of Livingston - New Sewers-White Star Area	3-5 Years	Not Funded	\$429,000	Rockcastle		
<b>SX21203161</b>	City of Livingston - Replace Main Sewer Pump Station	3-5 Years	Not Funded	\$156,000	Rockcastle		
<b>SX21203155</b>	City of Livingston -Update Facility Plan	3-5 Years	Not Funded	\$47,000	Rockcastle		

## Rockcastle County (continued)

### System Summary for City of Mount Vernon

Permit ID	<b>KY0024694</b>	Treats Wastewater	Yes, 0.37 MGD with 0.23 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,077
Owner Type	Incorporated City	KISOP Sender	No
Employees	6	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$19.02	Total KISOP Treated (MG)	-
Residential Customers	896	Total Treated (MG)	54,597
Commercial Customers	181	Number of Manholes	0
Institutional Customers	-	Number of Lift Stations	11
Industrial Customers	-	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 0% Constructed
Total Collection System Line Length = 30.84 miles (Collection: 30.82 miles, Interceptors: 0.02 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Mount Vernon

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21203190</b>	City of Mt. Vernon Wastewater Replacement Along Main Street	3-5 Years	Not Funded	\$1,025,000	Rockcastle	10	3
<b>SX21203192</b>	Mount Vernon Wastewater Gravity Force Main and Lift Station Hwy 25 South From Mt. Vernon to Burr Area	3-5 Years	Not Funded	\$5,385,000	Rockcastle	21	5
<b>SX21203191</b>	City of Mount Vernon - WWTP and Pump Station off Richmond Street	3-5 Years	Not Funded	\$5,500,000	Rockcastle	27	4
<b>SX21203197</b>	City of Mt. Vernon: Rainbow Ridge Area Sanitary Collection and Transfer	6-10 Years	Not Funded	\$2,091,000	Rockcastle		
<b>SX21203196</b>	City of Mt. Vernon: Little Rock Hill Road Area Sanitary Collection and Transfer	6-10 Years	Not Funded	\$1,034,000	Rockcastle		
<b>SX21203194</b>	Mt Vernon - Pride/Lake Linville Sewer Extension-Phase 1	3-5 Years	Not Funded	\$755,000	Rockcastle		
<b>SX21203527</b>	City of Mount Vernon - US 25 Sewer Force Main Project	6-10 Years	Not Funded	\$83,000	Rockcastle		

# Rowan County

- 2010 census population of 23,333 (10,102 households) with 55% serviceable.
- Projected 2020 population of 24,708 (change of 1,375).
- Rowan County has 137.77 miles of existing sewer lines.
- 8.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$3,988,633.
- There are no projects planned from 6 to 10 years.



Rowan County has a 2010 census population count of 23,333 (10,102 households) with a projected 2020 population count of 24,708 (9,546 households). Public sewer is currently available to approximately 55 percent of the county's households based on 2010 census counts. Over the next ten years approximately 228 serviceable households will be added through the construction of 8.00 miles of sewer line extensions and approximately 13,815 instances of improved service through system wide upgrades.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
Morehead Utility Plant Board	6	\$3,988,633	228	13,815	8.00	-	
<b>Totals:</b>	<b>6</b>	<b>\$3,988,633</b>	<b>228</b>	<b>13,815</b>	<b>8.00</b>	<b>-</b>	

## Public Wastewater Systems in Rowan County

Note: Serviceability counts are for households within Rowan county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0052752</a>	Morehead Utility Plant Board	Rowan	13,767	5,589
		<b>Totals:</b>	13,767	5,589

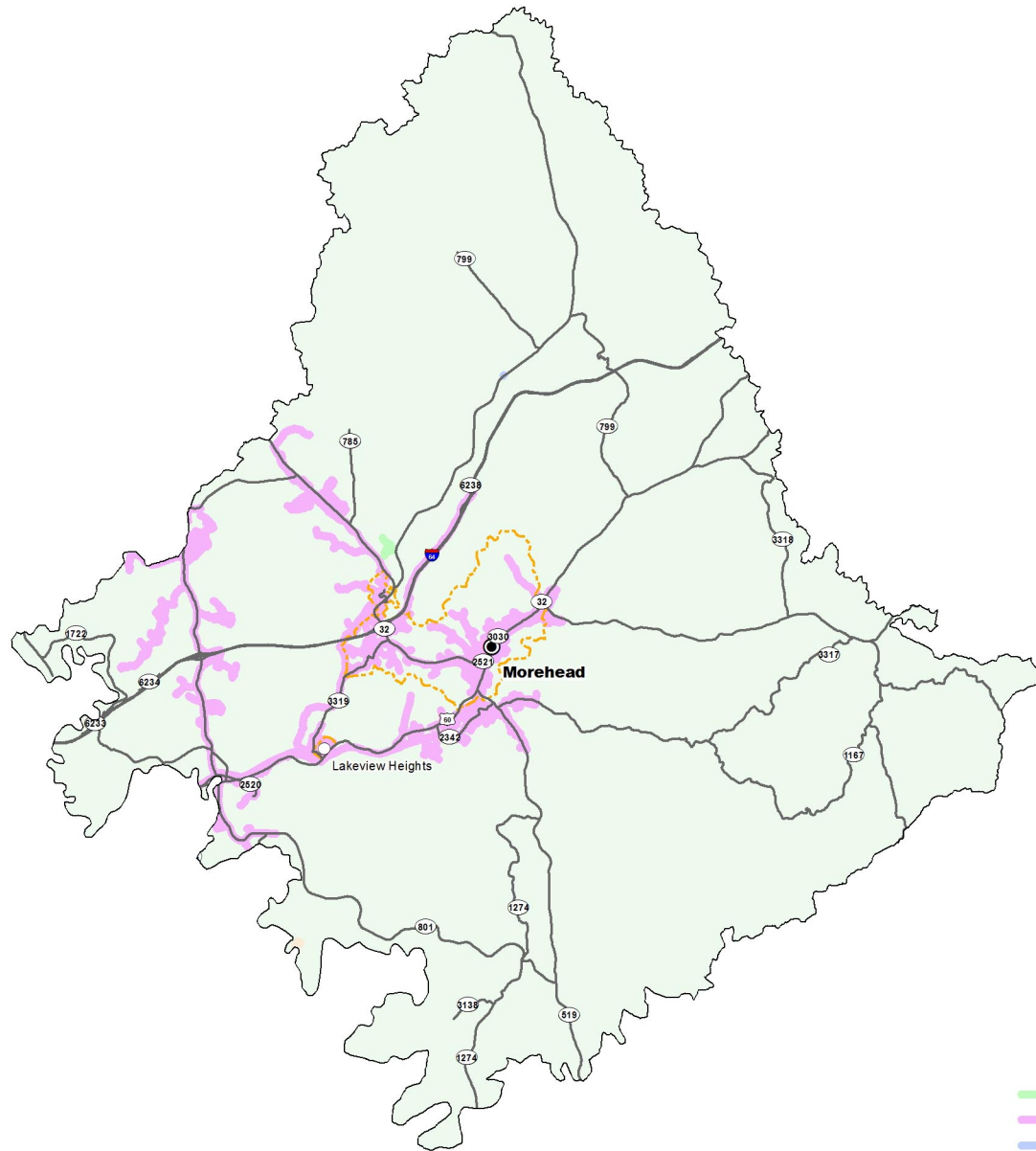
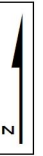
## SEWER SERVICE AREAS ROWAN COUNTY

Kentucky

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March, 2013



### SEWER SERVICE BY OWNER

- MOREHEAD STATE UNIVERSITY
- MOREHEAD UTILITY PLANT BOARD
- TILDON HOGGE ELEM SCHOOL
- USDA FOREST TWIN KNOBS RECREATION SITE

## Rowan County (continued)

### System Summary for Morehead Utility Plant Board

Permit ID	<a href="#">KY0052752</a>	Treats Wastewater	Yes, 5 MGD with 2.8 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	5,167
Owner Type	Municipal Utility Board or Commission	KISOP Sender	No
Employees	36	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$15.68	Total KISOP Treated (MG)	-
Residential Customers	3,950	Total Treated (MG)	1,023.100
Commercial Customers	856	Number of Manholes	2453
Institutional Customers	-	Number of Lift Stations	70
Industrial Customers	6	Percent Lines 20 yrs or Older	75%
KISOP Customers	-	Has Facility Plan	Yes, 90% Constructed
Total Collection System Line Length = 153.41 miles (Collection: 144.90 miles, Interceptors: 8.52 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Morehead Utility Plant Board

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<a href="#">SX21205033</a>	Morehead Utility Plant Board Phase 5 Inflow and Infiltration Sew	3-5 Years	Not Funded	\$500,000	Rowan	2	1
<a href="#">SX21205029</a>	Morehead Utility Plant Board Sunnybrook Development Sewer Line E	3-5 Years	Not Funded	\$989,750	Rowan	13	2
<a href="#">SX21205036</a>	Morehead Utility Plant Board KY 801 and KY 158 Sewer Extension Project	3-5 Years	Not Funded	\$1,498,883	Rowan	30	3
<a href="#">SX21205037</a>	Morehead Utility Plant Board Administrative Software Upgrade	3-5 Years	Not Funded	\$250,000	Rowan	33	4
<a href="#">SX21205035</a>	Morehead Utility Plant Board 519 Sewer Extension	3-5 Years	Not Funded	\$500,000	Rowan	34	5
<a href="#">SX21205031</a>	MUPB Residential Grinder Replacement Project	3-5 Years	Not Funded	\$250,000	Rowan	49	6

# Russell County

- 2010 census population of 17,565 (9,993 households) with 30% serviceable.
- Projected 2020 population of 18,782 (change of 1,217).
- Russell County has 76.46 miles of existing sewer lines.
- 35.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$5,352,466.
- Estimated funding needs for projects from 6 to 10 years: \$1,794,100.



Russell County has a 2010 census population count of 17,565 (9,993 households) with a projected 2020 population count of 18,782 (8,112 households). Public sewer is currently available to approximately 30 percent of the county's households based on 2010 census counts. Over the next ten years approximately 837 serviceable households will be added through the construction of 35.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Albany	1	\$1,697,000	-	-	1.00	-	
City of Jamestown	2	\$2,122,100	142	-	4.00	-	
City of Russell Springs	4	\$3,327,466	695	-	30.00	-	
<b>Totals:</b>	<b>7</b>	<b>\$7,146,566</b>	<b>837</b>	<b>-</b>	<b>35.00</b>	<b>-</b>	

## Public Wastewater Systems in Russell County

Note: Serviceability counts are for households within Russell county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0062995</a>	Jamestown Utilities	Russell	1,875	907
<a href="#">KYP000057</a>	Russell Springs Sewer & Water Works	Russell	3,684	2,047
		<b>Totals:</b>	5,559	2,954

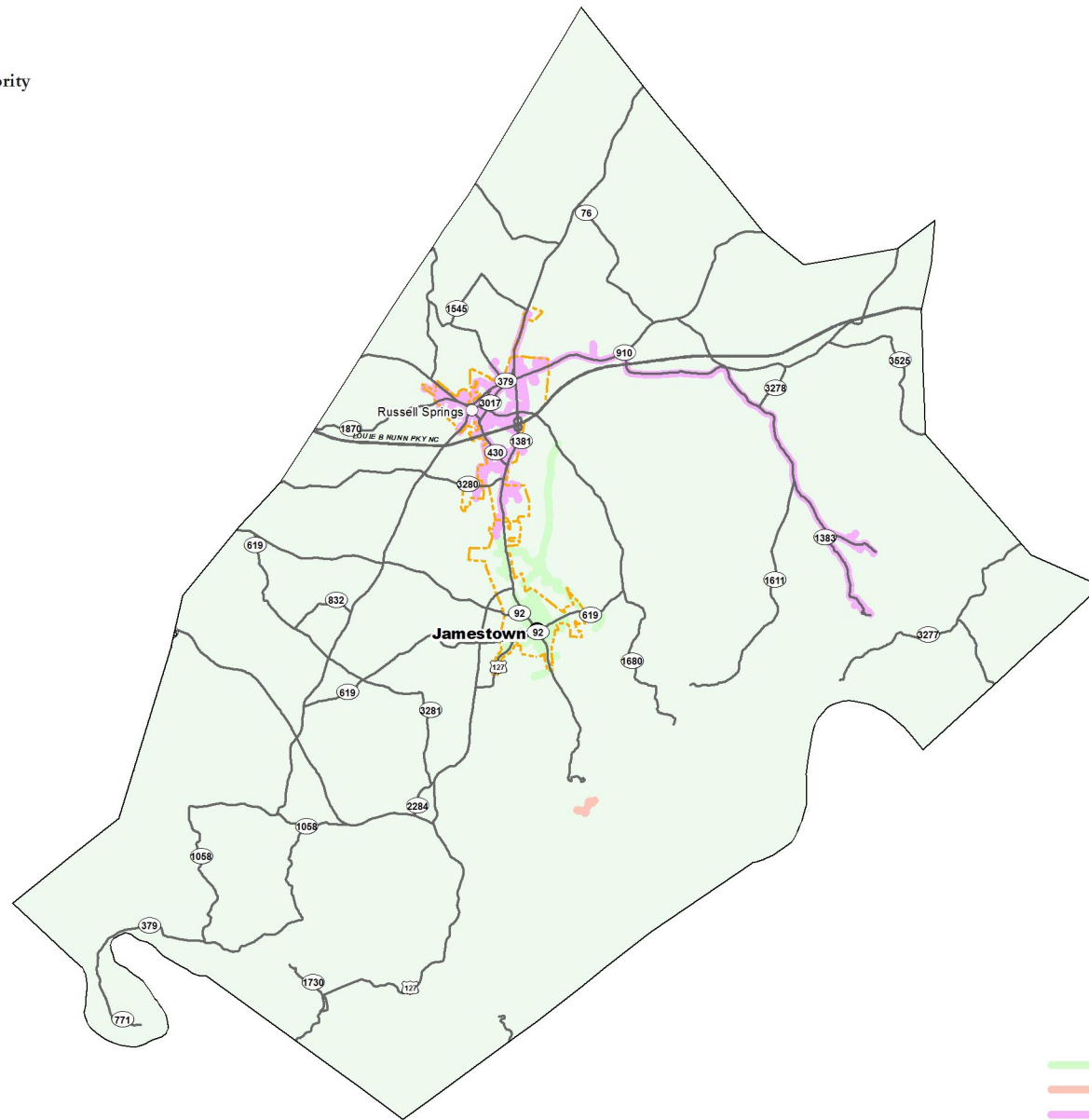
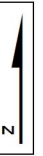
# SEWER SERVICE AREAS RUSSELL COUNTY

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March, 2013



## SEWER SERVICE BY OWNER

- JAMESTOWN UTILITIES
- LAKE CUMBERLAND STATE RESORT PARK
- RUSSELL SPRINGS SEWER & WATER WORKS



## Russell County (continued)

### System Summary for Jamestown Utilities

Permit ID	<b>KY0062995</b>	Treats Wastewater	Yes, 3.6 MGD with 2.2 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	505
Owner Type	Incorporated City	KISOP Sender	No
Employees	9	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$26.45	Total KISOP Treated (MG)	71.267
Residential Customers	433	Total Treated (MG)	511.830
Commercial Customers	51	Number of Manholes	211
Institutional Customers	17	Number of Lift Stations	12
Industrial Customers	2	Percent Lines 20 yrs or Older	70%
KISOP Customers	1	Has Facility Plan	Yes, 2% Constructed
Total Collection System Line Length = 23.90 miles (Collection: 22.45 miles, Interceptors: 1.45 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Jamestown Utilities

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21207013</b>	Jamestown Utilities-Jamestown Dock Sewer Extension	6-10 Years	Not Funded	\$1,569,100	Russell		
<b>SX21207016</b>	Lift Stations and Conveyance System Improvements	3-5 Years	Not Funded	\$553,000	Russell		

## Russell County (continued)

### System Summary for Russell Springs Sewer & Water Works

Permit ID	<b>KYP000057</b>	Treats Wastewater	No
System Type	KPDES KISOP (Inter-System)	Total Connections	1,318
Owner Type	Incorporated City	KISOP Sender	Yes, to 1 receiver.
Employees	2	Total KISOP Sent (MG)	71.267
Cost Per 4000 Gallons	\$16.00	Total KISOP Treated (MG)	-
Residential Customers	1,075	Total Treated (MG)	-
Commercial Customers	243	Number of Manholes	415
Institutional Customers	-	Number of Lift Stations	34
Industrial Customers	-	Percent Lines 20 yrs or Older	40%
KISOP Customers	-	Has Facility Plan	Yes, 35% Constructed
Total Collection System Line Length = 50.95 miles (Collection: 50.95 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

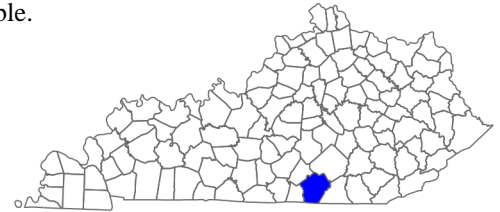
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Russell Springs Sewer & Water Works

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21207012</b>	Russell Springs-KY 1611 Pressure Sewer Extension	3-5 Years	Not Funded	\$1,475,000	Russell		
<b>SX21207011</b>	Russell Springs-Outer City Limits Pressure Sewer Extensions	3-5 Years	Not Funded	\$830,000	Russell		
<b>SX21207002</b>	Russell Springs Sewer Extension - No. 2	3-5 Years	Not Funded	\$797,466	Russell		
<b>SX21207014</b>	Russell Springs/RC IDA – French Valley Business Park Sanitary SE	6-10 Years	Not Funded	\$225,000	Russell		

# Wayne County

- 2010 census population of 20,813 (10,942 households) with 27% serviceable.
- Projected 2020 population of 22,128 (change of 1,315).
- Wayne County has 44.62 miles of existing sewer lines.
- 16.00 miles of line extensions proposed in the next 10 years.
- 3.00 miles of line rehabilitation proposed in the next 10 years.
- 12.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$18,968,000.
- Estimated funding needs for projects from 6 to 10 years: \$1,043,000.



Wayne County has a 2010 census population count of 20,813 (10,942 households) with a projected 2020 population count of 22,128 (9,686 households). Public sewer is currently available to approximately 27 percent of the county's households based on 2010 census counts. Over the next ten years approximately 199 serviceable households will be added through the construction of 16.00 miles of sewer line extensions and approximately 167 instances of improved service through the rehabilitation of 3.00 miles of existing sewer lines and other appurtenances. 12.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Monticello	12	\$20,011,000	199	167	16.00	3.00	
<b>Totals:</b>	<b>12</b>	<b>\$20,011,000</b>	<b>199</b>	<b>167</b>	<b>16.00</b>	<b>3.00</b>	

## Public Wastewater Systems in Wayne County

Note: Serviceability counts are for households within Wayne county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0033847</a>	Monticello Utility Commission	Wayne	6,252	2,924
		<b>Totals:</b>	6,252	2,924

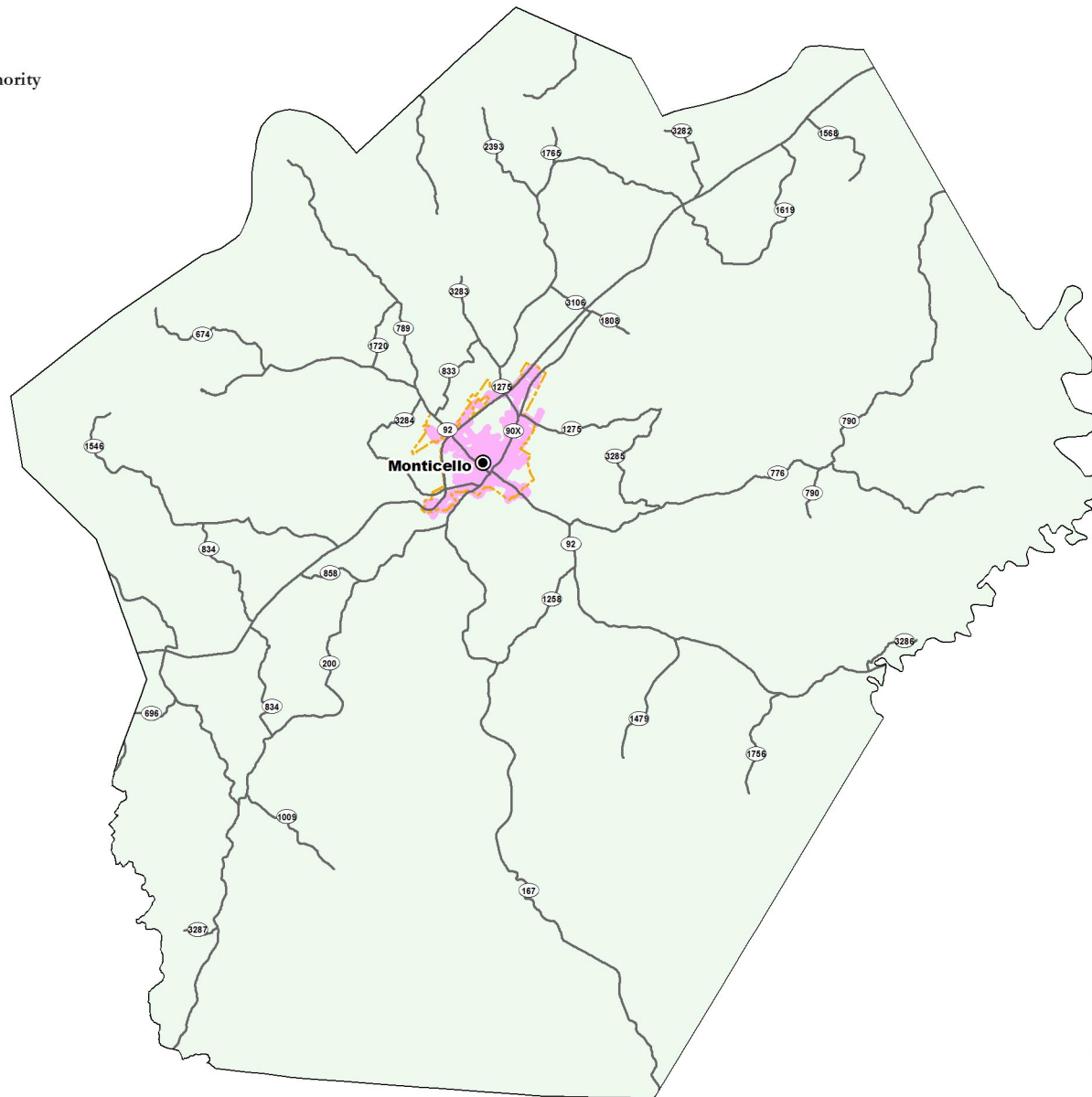
## SEWER SERVICE AREAS WAYNE COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**  
 MONTICELLO UTILITY COMMISSION

## Wayne County (continued)

### System Summary for Monticello Utility Commission

Permit ID	<b>KY0033847</b>	Treats Wastewater	Yes, 0.7 MGD with 0.41 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	2,403
Owner Type	Incorporated City	KISOP Sender	No
Employees	10	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$18.02	Total KISOP Treated (MG)	-
Residential Customers	2,076	Total Treated (MG)	5.400
Commercial Customers	327	Number of Manholes	405
Institutional Customers	-	Number of Lift Stations	5
Industrial Customers	-	Percent Lines 20 yrs or Older	70%
KISOP Customers	-	Has Facility Plan	Yes, 1% Constructed
Total Collection System Line Length = 44.62 miles (Collection: 44.62 miles, Interceptors: 0.00 miles ).			

MG = Million Gallons.

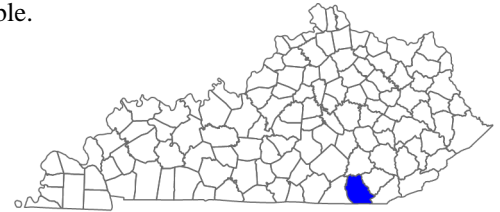
MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for Monticello Utility Commission

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21231016</b>	MUC – Wastewater Treatment Plant Upgrades	3-5 Years	Not Funded	\$8,620,000	Wayne		
<b>SX21231006</b>	Monticello/Elk Creek Interceptor Sewer Line	3-5 Years	Not Funded	\$2,070,000	Wayne		
<b>SX21231011</b>	Monticello Downtown Sewer Renovation	3-5 Years	Partially Funded	\$1,860,000	Wayne		
<b>SX21231007</b>	Monticello/Conley Bottom Sewer Transport System	3-5 Years	Not Funded	\$1,494,000	Wayne		
<b>SX21231013</b>	Monticello – Western Monticello Sanitary Sewer Improvements	3-5 Years	Not Funded	\$1,320,000	Wayne		
<b>SX21231017</b>	Monticello – North Main Street Sanitary Sewer Improvements	3-5 Years	Not Funded	\$1,115,000	Wayne		
<b>SX21231012</b>	Monticello – Hiland View Sanitary Sewer Extensions	3-5 Years	Not Funded	\$880,000	Wayne		
<b>SX21231015</b>	MUC-West KY 90 Industrial Park Sewer Extension	3-5 Years	Not Funded	\$794,000	Wayne		
<b>SX21231001</b>	Monticello-Lincoln/Highland Street Sewer Extension Project	6-10 Years	Not Funded	\$581,000	Wayne		
<b>SX21231004</b>	Monticello/Colonial Estates Sewer Line Extension	3-5 Years	Not Funded	\$543,000	Wayne		
<b>SX21231005</b>	Monticello/Ramsey St. Sewer Line Renovation	6-10 Years	Not Funded	\$462,000	Wayne		
<b>SX21231003</b>	Monticello/Hill Rise/Beech Valley/Bean St. Lift Station Renovation	3-5 Years	Not Funded	\$272,000	Wayne		

# Whitley County

- 2010 census population of 35,637 (15,166 households) with 32% serviceable.
- Projected 2020 population of 35,256 (change of -381).
- Whitley County has 101.16 miles of existing sewer lines.
- 20.00 miles of line extensions proposed in the next 10 years.
- 13.00 miles of line rehabilitation proposed in the next 10 years.
- 2.00 miles of interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$7,511,246.
- Estimated funding needs for projects from 6 to 10 years: \$15,599,805.



Whitley County has a 2010 census population count of 35,637 (15,166 households) with a projected 2020 population count of 35,256 (14,048 households). Public sewer is currently available to approximately 32 percent of the county's households based on 2010 census counts. Over the next ten years approximately 1,122 serviceable households will be added through the construction of 20.00 miles of sewer line extensions and approximately 2,478 instances of improved service through the rehabilitation of 13.00 miles of existing sewer lines and other appurtenances. 2.00 miles of interceptor lines are also proposed within this county.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Williamsburg	2	\$2,779,246	3	2,400	2.00	12.00	
Corbin Utilities Commission	2	\$5,849,725	341	78	8.00	1.00	
Whitley County Fiscal Court	4	\$14,482,080	778	-	10.00	-	
<b>Totals:</b>	<b>8</b>	<b>\$23,111,051</b>	<b>1,122</b>	<b>2,478</b>	<b>20.00</b>	<b>13.00</b>	

## Public Wastewater Systems in Whitley County

Note: Serviceability counts are for households within Whitley county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0028347</a>	City of Williamsburg	Whitley	5,633	2,165
<a href="#">KY0020133</a>	Corbin Utilities Commission	Laurel	5,847	2,752
		<b>Totals:</b>	11,480	4,917

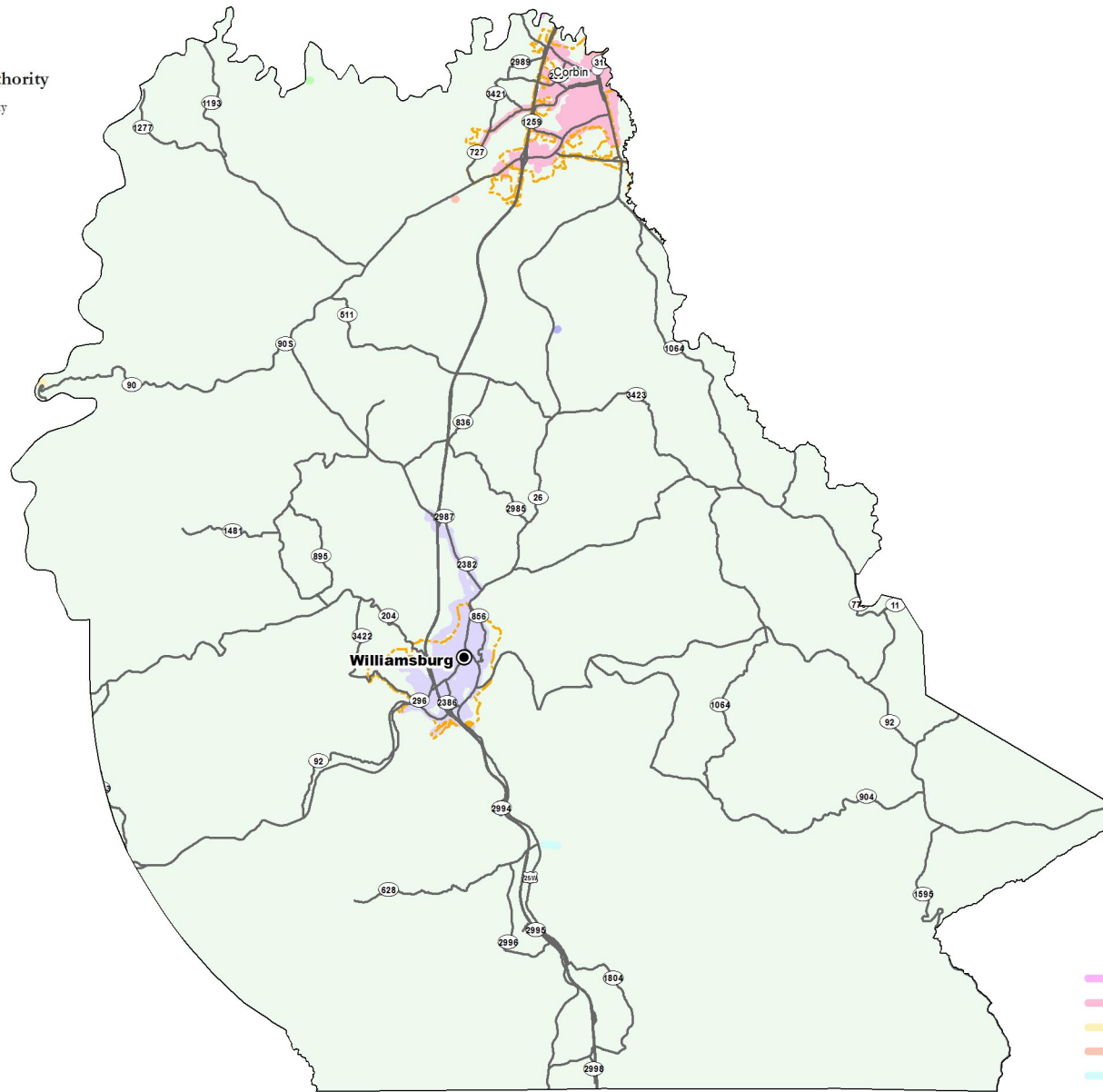
## SEWER SERVICE AREAS WHITLEY COUNTY

Kentucky

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March, 2013



- SEWER SERVICE BY OWNER**
- CORBIN KOA CAMPGROUND
  - CORBIN STP
  - CUMBERLAND FALLS STATE PARK
  - OAK GROVE ELEM SCHOOL
  - PLEASANT VIEW ELEM SCHOOL
  - USDA FOREST SERVICE GROVE CPDG
  - WHITLEY NORTH ELEM SCHOOL
  - WILLIAMSBURG STP



## Whitley County (continued)

### System Summary for City of Williamsburg

Permit ID	<b>KY0028347</b>	Treats Wastewater	Yes, 2 MGD with 1.01 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	1,697
Owner Type	Incorporated City	KISOP Sender	No
Employees	5	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$21.36	Total KISOP Treated (MG)	-
Residential Customers	1,283	Total Treated (MG)	420.528
Commercial Customers	273	Number of Manholes	750
Institutional Customers	1	Number of Lift Stations	25
Industrial Customers	2	Percent Lines 20 yrs or Older	85%
KISOP Customers	-	Has Facility Plan	Yes, 30% Constructed
Total Collection System Line Length = 44.11 miles (Collection: 43.97 miles, Interceptors: 0.14 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

### Project Summary (Top 18 Approved, 0-5 years) for City of Williamsburg

PNUM	Project Title	Schedule	Funding Status	Project Cost	Primary County	Regional Ranking	Local Ranking
<b>SX21235004</b>	Sanitary Sewer Rehabilitation and I&I Removal Project	3-5 Years	Partially Funded	\$1,179,835	Whitley	3	1
<b>SX21235005</b>	Ball Park Pump Station/ Force Main - Phase II	0-2 Years	Not Funded	\$1,599,411	Whitley	5	2
<b>SX21235218</b>	Whitley County: Package Treatment Plant At Pleasant View/Cane Cr	6-10 Years	Not Funded	\$5,839,680	Whitley		
<b>SX21235224</b>	Whitley County: Wastewater Line Extension to Clio Airport	6-10 Years	Not Funded	\$5,802,720	Whitley		
<b>SX21235219</b>	Whitley County: Package Treatment Plant and Wastewater Line to M	6-10 Years	Not Funded	\$1,991,680	Whitley		
<b>SX21235222</b>	Whitley County: Wastewater Line Extension to Hanging Rock Commun	6-10 Years	Not Funded	\$848,000	Whitley		



# Wolfe County

- 2010 census population of 7,355 (3,660 households) with 10% serviceable.
- Projected 2020 population of 7,636 (change of 281).
- Wolfe County has 10.65 miles of existing sewer lines.
- 1.00 miles of line extensions proposed in the next 10 years.
- There are no line upgrades proposed in the next 10 years.
- There are no interceptor lines proposed in the next 10 years.
- Estimated funding needs for projects from 0 to 5 years: \$248,600.
- There are no projects planned from 6 to 10 years.



Wolfe County has a 2010 census population count of 7,355 (3,660 households) with a projected 2020 population count of 7,636 (3,285 households). Public sewer is currently available to approximately 10 percent of the county's households based on 2010 census counts. Over the next ten years approximately 16 serviceable households will be added through the construction of 1.00 miles of sewer line extensions.

## Project Cost Summary (Approved, 0-10 Years)

Project Applicant	Project Count	Total Cost	Households Affected		New Lines (miles)	Rehab Lines (miles)	Trans Lines (miles)
			Unserved	Underserved			
City of Campton	1	\$248,600	16	-	1.00	-	
<b>Totals:</b>	<b>1</b>	<b>\$248,600</b>	<b>16</b>	<b>-</b>	<b>1.00</b>	<b>-</b>	

## Public Wastewater Systems in Wolfe County

Note: Serviceability counts are for households within Wolfe county only.

KPDES	System Name	Primary County	Serviceable Counts	
			Population	Households
<a href="#">KY0104728</a>	Campton Wastewater Department	Wolfe	700	359
		<b>Totals:</b>	700	359

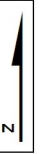
## SEWER SERVICE AREAS WOLFE COUNTY

Kentucky

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March, 2013



**SEWER SERVICE BY OWNER**

 CAMPTON WASTEWATER DEPARTMENT

## Wolfe County (continued)

### System Summary for Campton Wastewater Department

Permit ID	<b>KY0104728</b>	Treats Wastewater	Yes, 0.32 MGD with 0.213 MGD Ave.
System Type	KPDES Public Wastewater	Total Connections	251
Owner Type	Incorporated City	KISOP Sender	No
Employees	1	Total KISOP Sent (MG)	-
Cost Per 4000 Gallons	\$34.50	Total KISOP Treated (MG)	-
Residential Customers	153	Total Treated (MG)	77.769
Commercial Customers	72	Number of Manholes	205
Institutional Customers	-	Number of Lift Stations	3
Industrial Customers	-	Percent Lines 20 yrs or Older	80%
KISOP Customers	-	Has Facility Plan	Yes, 50% Constructed
Total Collection System Line Length = 10.59 miles (Collection: 9.79 miles, Interceptors: 0.80 miles ).			

MG = Million Gallons.

MGD = Million Gallons per Day.

**There are no immediate projects for Campton Wastewater Department**