

To: Dr. Jack E. Miller, Interim-City Manager

From: Clark Annis, Wastewater Treatment Facilities Manager

Cc: Honorable Mayor
Mayor Pro-Tem
Members of Council

Date: August 22, 2013

Re: Tank Truck Waste Acceptance

Crossville currently has 12 tank truck haulers permitted. I am contacted by individuals on a regular basis who would like to start a septic tank cleaning business and bring the septage waste to the Crossville Wastewater Treatment Facility for disposal. I recommend that Crossville limit the number of permits to the current number in order to minimize risk of high organic loading problems, minimize odor problems and to protect our current capacity.

Septic tank haulers are permitted for disposal at the wastewater treatment facility after approval by the Cumberland County Health Department. Current rates set by council are \$0.025/1000 gallons inside city limits and \$0.03/1000 gallons outside city limits, which is collected by the water department at City Hall.

Approximately 92% of all septic tank waste is brought from outside the city limits. Annual revenue is just under \$10,000.

The septic tank waste is very high in BOD and Total Suspended Solids loading as well as copper and zinc. Each 1,000 gallon load can be equivalent in strength to the daily domestic strength of 200 residential customers. With 12 current permitted haulers, if each hauler brought four (4) loads in any given day, the total organic loading to the treatment plant could be equivalent to approximately 9,000 residential customers. We currently have 4,500 total sewer customers. Septic tank offloading contributes to odor problems as well.

If directed to do so, I would like council to consider limiting permits to the current number of permitted tank trucks and no new permits be issued unless one of the existing haulers relinquishes an existing permit.

Permitted Septic Tank Waste Haulers	7
Permitted Port-a-Toilet Waste Haulers	2

In-side Crossville City Limit	\$.025/per gallon
Cumberland County	\$.03/per gallon
Wastewater Plant Sludge	\$.06/per gallon
Leachate	\$.05/per gallon

July 2013

In-side Crossville City Limit	\$273.88	10955 gallons
Cumberland County	\$672.00	22400 gallons
Wastewater Plant Sludge	<u>\$300.00</u>	<u>5000</u> gallons
	\$1245.88	38355
Leachate	\$1050.00	21000 gallons

June 2013

In-side Crossville City Limit	\$292.13	11685 gallons
Cumberland County	\$538.50	17950 gallons
Wastewater Plant Sludge	<u>\$300.00</u>	<u>5000</u> gallons
	\$1130.63	34635
Leachate	\$0.00	0 gallons

May 2013

In-side Crossville City Limit	\$140.62	12895 gallons
Cumberland County	\$802.50	26750 gallons
Wastewater Plant Sludge	<u>\$120.00</u>	<u>2000</u> gallons
	\$1063.12	41645
Leachate	\$1750.00	35000 gallons

April 2013

In-side Crossville City Limit	\$394.88	15795 gallons
Cumberland County	\$610.50	20350 gallons
Wastewater Plant Sludge	<u>\$240.00</u>	<u>4000</u> gallons
	\$1245.38	40145
Leachate	\$1050.00	21000 gallons

March 2013

In-side Crossville City Limit	\$ 87.75	3510 gallons
Cumberland County	\$787.50	26250 gallons
Wastewater Plant Sludge	<u>\$ 0.00</u>	<u>0</u> gallons
	\$875.25	29760

Leachate	\$1750.00	35000 gallons
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February 2013

In-side Crossville City Limit	\$ 92.13	3685 gallons
Cumberland County	\$616.50	20550 gallons
Wastewater Plant Sludge	<u>\$ 60.00</u>	<u>1000</u> gallons
	\$768.63	25235

Leachate	\$1050.00	21000 gallons
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January 2013

In-side Crossville City Limit	\$163.63	6545 gallons
Cumberland County	\$691.50	23050 gallons
Wastewater Plant Sludge	<u>\$ 0.00</u>	<u>0</u> gallons
	\$855.13	29595

Leachate	\$1400.00	28000 gallons
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December 2012

In-side Crossville City Limit	\$146.25	5850 gallons
Cumberland County	\$676.50	22550 gallons
Wastewater Plant Sludge	<u>\$120.00</u>	<u>2000</u> gallons
	\$942.75	30400

Leachate	\$1050.00	21000 gallons
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November 2012

In-side Crossville City Limit	\$ 93.00	3720 gallons
Cumberland County	\$502.50	16750 gallons
Wastewater Plant Sludge	<u>\$ 60.00</u>	<u>1000</u> gallons
	\$655.50	21470

Leachate	\$1400.00	28000 gallons
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October 2012

In-side Crossville City Limit	\$115.50	4620 gallons
Cumberland County	\$714.00	23800 gallons
Wastewater Plant Sludge	<u>\$ 60.00</u>	<u>1000</u> gallons
	\$889.50	29420

Leachate	\$1400.00	28000 gallon
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September 2012

In-side Crossville City Limit	\$193.88	7755 gallons
Cumberland County	\$505.50	16850 gallons
Wastewater Plant Sludge	<u>\$ 0.00</u>	<u>0</u> gallons
	\$699.38	24605

Leachate	\$1050.00	21000 gallons
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August 2012

In-side Crossville City Limit	\$ 81.25	3250 gallons
Cumberland County	\$642.00	21400 gallons
Wastewater Plant Sludge	<u>\$ 60.00</u>	<u>1000</u> gallons
	\$783.25	25650

Leachate	\$1750.00	35000 gallons
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July 2012

In-side Crossville City Limit	\$ 81.50	3460 gallons
Cumberland County	\$517.50	17250 gallons
Wastewater Plant Sludge	<u>\$180.00</u>	<u>3000</u> gallons
	\$779.00	23710

Leachate	\$1050.00	21000 gallons
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June 2012

In-side Crossville City Limit	\$158.88	6355 gallons
Cumberland County	\$594.00	19800 gallons
Wastewater Plant Sludge	<u>\$120.00</u>	<u>2000</u> gallons
	\$872.88	28155

Leachate	\$1750.00	35000 gallons
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May 2012

In-side Crossville City Limit	\$168.63	6745 gallons
Cumberland County	\$472.50	15750 gallons
Wastewater Plant Sludge	<u>\$240.00</u>	<u>4000</u> gallons
	\$881.13	26495

Leachate	\$1400.00	28000 gallons
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April 2012

In-side Crossville City Limit	\$242.88	9715 gallons
Cumberland County	\$424.50	14150 gallons
Wastewater Plant Sludge	<u>\$360.00</u>	<u>6000</u> gallons
	\$1027.38	29865

Leachate	\$700.00	14000 gallons
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16 Month Totals

**In-side Crossville City Limit
Cumberland County
Wastewater Plant Sludge**

**\$2,726.79
\$9,768.00
\$2,220.00
\$14,714.79**

**116,540 gallons
325,600 gallons
37,000 gallons
389,140**

Leachate

\$19,600.00

392,000 gallons