

FEASIBILITY STUDY

For

WASTEWATER COLLECTION AND TREATMENT SYSTEM

at

COUNTRY HILL ESTATES

CLINTON COUNTY, MISSOURI

by

CENTRAL RIVERS WASTEWATER UTILITY, INC

501 W. 92 Hwy.

P.O. Box 528

Kearney, MO 64060

Background

The rural areas of the rapidly developing Kansas City metropolitan region have been growing as more and more people find that the area offers many benefits and high quality of life. As this metropolitan area has developed and grown, wastewater treatment for these developments has become a primary concern. Due to soils that are not well suited for on-site wastewater disposal systems and higher density, central wastewater collection and treatment that is well operated and maintained has become a growing need. However, economic factors make a single large scale central collection and treatment facility in outlying subdivisions and communities impractical. Sound technological advances in how wastewater is collected and treated lead to a more practical approach. Cluster type treatment and collections systems, each serving a single subdivision or small group of subdivisions can be economically installed and economically maintained and can provide high quality wastewater treatment. Quality installation, operation and maintenance are essential for this type of system to consistently produce safe and effective wastewater treatment. Therefore, operation and maintenance should be handled by professionals that are well trained and have financial incentives to provide safe wastewater treatment facilities. The operation and maintenance authority should also be well regulated to ensure that the public good is served. A Missouri Public Service regulated private utility company is very well suited for this approach.

Central Rivers Wastewater Utility, Inc., upon final approval of its Tariff currently under review by the Missouri Public Service Commission, will maintain and operate central wastewater collection and treatment facilities in Ray County, Missouri (Case No. SA-98-530), Clay County, Missouri (Case No. SA-2000-105), Clay County, Missouri (Case No. SA-2000-248), Clay County, Missouri (Case No. SA-2001-304), Clay County, Missouri (Case No. SA-2004-0470), Clay County Missouri (Case No. SA-2005-0302). Central Rivers Wastewater Utility, Inc. is also planning to provide wastewater treatment and collection system operation and maintenance for a new subdivision currently being developed in Clinton County, Missouri, known as Country Hill Estates Subdivision.

Purpose of serving Country Hill Estates Subdivision

Due to experience Central Rivers Wastewater Utility, Inc. is well suited to provide an operation and maintenance authority for these subdivisions. The company can provide a dependable wastewater collection and treatment service for these subdivisions at a reasonable cost while at the same time provide a financial incentive to the owners of the company.

Financing

Costs to provide engineering documents necessary to obtain a Missouri Department of Natural Resources Construction will be paid by the subdivision developer. The developer has paid to install the collection system's main collection lines. The developer has also paid for initial costs for the installation of the wastewater treatment facility.

A contract between the subdivision developer and the utility in which the developer has agreed to fund the difference between revenue collected through rates and the required revenue has been signed and agreed upon by both parties. The developer has obtained an Irrevocable Letter of Credit from a reputable bank that the utility company will draw upon if the developer, for any reason, is unable or unwilling to pay the agreed upon difference. This agreement ensures that utility company will have sufficient revenue to operate the wastewater collection and treatment system in the initial stages of the development.

Plan

A map of the area is attached to the company's application. On the map is a layout of the collection system and treatment plant location. Wastewater from the homes will initially be collected in 1,500 gallon septic tanks located near the residence. The effluent will be screened and pumped into a force main that eventually will tie into the treatment facility. The treatment plant has been constructed to meet Department of Natural Resources administered regulations and will be expanded as necessary to continue to do so.

Customers

There are currently four customers within Country Hill Estates Subdivision.

The four known residents are as follows:

R.A.M.S. General Contracting	9162 NE Country Hill Pkwy. Cameron, MO 64429 816-632-4046
Brad & Mary Beth Burkhardt	9219 NE Country Hill Pkwy Cameron, MO 64429 816-632-5815
Chris & Tanya Graham	9222 NE Country Hill Pkwy Cameron, MO 64429 816-858-5674
Steve & Jan Arnold	9227 NE Country Hill Pkwy Cameron, MO 64429 660-707-3421

The newly constructed homes will each have an individual 1,500 gallon watertight septic tank located near the residence but within an easement granted to the utility company. The subdivisions plans are to have approximately 30 homes when completely developed. All of the customers will be single family residences. It is anticipated that at least 60% of the customers will be connected within 5 years.

System Construction

The collection system has been constructed and is existing. The recirculating sand filter has been constructed and is existing. Plans prepared by a professional engineer registered in the State of Missouri are on file at the Missouri Department of Natural Resources.

Operation

The management of the company will be furnished by the owner, Mr. Mark Geisinger. The company will contract with Utility Construction & Management, LLC for service calls and treatment plant operation and maintenance of this facility. Billing will be done on a contract basis.

The utility company will keep in stock a new pump and controls for the residential pumping installation as well as repairable parts. One pump of each make will be kept for each fifty customers it has on the force main sewer system. The company will inspect the customer's pumping facilities once per year to assure that they are functioning properly. All maintenance will be provided by the utility company. The company will also replace the customer's pump and controls, as well as repairable parts, when necessary as part of the rate structure provided the customer does not purposefully or willfully cause intentional harm to the system through negligence or sabotage.

Tariff and Rules

The company's Tariff will be amended to include a service area that includes this subdivision. The rules governing the customers' responsibilities and the company's responsibilities will be those filed with its Tariff and approved by the Missouri Public Service Commission.

The base single family wastewater rate will likely be \$32.00/month. This rate is consistent with other similar wastewater collection and treatment facilities and reasonable for the area.

Conclusion

The proposed services by Central Rivers Wastewater Utility, Inc. are for this area and the style of homes to be constructed. The agreement between the developer and the company satisfies the financial obligation the company will need to remain viable until several customers are connected. By providing this service the developer is better able to market the lots in the subdivision and the County and subdivision are benefited by increased temporary and permanent jobs and better and safer overall living conditions for the residents.