



This training session provides practical information to help wastewater lagoon systems improve day-to-day operations and maintain well-operated lagoons. This session will help new and experienced operator as well as members of city councils interested in proper maintenance of their wastewater treatment ponds.

**The Kansas Rural
Water Association**

presents:

Wastewater Training Session

Wastewater Lagoon Operation and Maintenance

**Tuesday, August 24, 2010
Community Building
Riverside Park
Iola, KS**

TRAINING NOTICE:

The Kansas Rural Water Association is pleased to sponsor a waste stabilization pond (commonly called a wastewater lagoon) operation and maintenance training session in Iola, on Tuesday, August 24, 2010.

Waste stabilization ponds are the most common type of wastewater treatment system used by small and medium sized communities in Kansas today. The intent of this training is to provide systems with information helpful in maintaining compliance with their current operating permits and to provide them with information that will help keep lagoons a viable treatment option for the future. The training course is specially designed for operators of Kansas waste stabilization ponds. The course will provide practical information on the basic operating procedures of lagoons, types of lagoons, treatment processes, lagoon operation, maintenance and troubleshooting procedures, and Kansas permit monitoring requirements. The class is designed to benefit both new and experienced operators. **There is no charge for attendance.**

DATE & LOCATION:

**Tuesday, August 24, 2010
Riverside Park Community Building
600 S. State
Iola, KS**

Directions: From Highway 54, turn south on State Street at stoplight; proceed south to Riverside Park; turn west on Vine Street into the park; follow Vine Street past the football field and swimming pool. The Community Building is at the western edge of park.

CERTIFICATION CREDIT:

Wastewater operators who attend will receive 1 (one) credit hour towards certification or renewal for each hour of attendance. Full day attendance provides 5 credit hours.

COST:

There is no charge for attendance.

SESSION TOPICS:

- 8:00 a.m. Registration, (hospitality coffee, rolls)
- 8:30 a.m. Course objectives and discussion of course materials
- 8:45 a.m. Wastewater lagoons: history, definitions, basic design and operating principles
- 10:00 Break
- 10:15 a.m. Lagoon Classifications, loading rates and design types
- 11:00 a.m. Treatment Processes (facultative, aerobic and anaerobic processes) and Modes of Operation
- 12:00 p.m. Lunch, on your own
- 1:00 p.m. Factors that influence lagoon performance (natural and man-made)
- 2:00 p.m. Characteristics of a healthy lagoon (testing, visual observations, etc.)
- 2:45 p.m. Break
- 3:00 p.m. Lagoon operation, maintenance activities; troubleshooting problems
- 4:00 p.m. Operational and permit monitoring requirements
- 4:30 p.m. Dismissal

THE PRESENTERS:

Jeff Lamfers is a Consultant with KRWA. Jeff was formerly an Environmental Scientist in the Northeast District Office of KDHE located in Lawrence, KS.

Charlie Schwindamann is Wastewater Tech at KRWA. Charlie is very familiar with many of the wastewater system in Kansas and has provided much assistance to many wastewater lagoon systems. Charlie is also a member of the Marysville City Council.

REGISTRATION:

Early registration is required. Return the registration by mail, call KRWA at 785/336-3760, or fax to KRWA at 785/336-2751. You may also register via the internet at www.krwa.net under "training." Please register by Friday, August 20.