



*The Kansas Rural Water Association is offering water and wastewater system operators an excellent opportunity to refresh and review prior to taking the operator certification exam. KDHE will give the operator exam on Thursday, January 31. These concurrent sessions for water and wastewater will cover the critical areas that operators need to take and pass the operator certification exam. Presenters will be KRWA staff members: Javon Baker, Stewart Kasper, Jason Solomon and Charlie Schwindamann.*

**The Kansas Rural Water Association presents:**

**Water Operator Training  
Wastewater Operator Training**

**Thursday, January 30, 2025  
Sternberg Museum, 3rd Floor  
3000 Sternberg Drive  
Hays, Kansas**

## **TRAINING NOTICE:**

The Kansas Rural Water Association is offering water and wastewater system operators an excellent opportunity to refresh and review prior to taking the operator certification exam. Both sessions will be held the same day, Thursday, January 30 at the Engel Education Center at the Sternberg Museum at 3000 Sternberg Drive in Hays, KS. Each session will cover the critical areas needed to take the operator certification exam. See the listing of topics on the adjoining panel. The training will conclude by 4 p.m. Lunch is on your own. KDHE is giving both water and wastewater exams in Hays on January 31.

**Anyone planning to take the exam needs to make application to KDHE. The application and payment must be received by KDHE by January 17. To register for the exam, contact KDHE at 785-296-5511 for an application or download the application from the KDHE's Web site at this address:**  
[\*\*https://www.kdhe.ks.gov/638/Water-Wastewater-Operator-Certification \(See Forms\)\*\*](https://www.kdhe.ks.gov/638/Water-Wastewater-Operator-Certification). While this training is primarily targeting small systems and Classes I and II, any operator will find the information useful.

## **DATE & LOCATION:**

**Thursday, January 30, 2025  
Sternberg Museum, 3rd Floor  
3000 Sternberg Drive, Hays, KS**

*Directions: Take I-70 take Exit 159 to Vine Street (US-183) towards Hays. Turn right onto Vine Street and drive south. In less than a mile, turn left onto E 27th street, in less than a mile, turn left onto Sternberg Drive – you will see a "Sternberg Museum of Natural History" sign at the entrance of the driveway. Follow the road to the Museum's parking lot.*

## **REGISTRATION:**

Early registration is requested. Return the registration form by mail, or call KRWA at 785/336-3760, or fax to KRWA at 785/336-2751. You may also register thru KRWA's Web site at [www.krwa.net](http://www.krwa.net) under "training." Please register by Thursday, January 23.

## **CERTIFICATION CREDIT:**

Water and wastewater operators who attend will receive five (5) credit hours toward certification renewal for full day attendance.

## **SCHEDULE and TOPICS:**

8:00 a.m. Registration, (hospitality coffee, rolls)  
8:30 a.m. Introduction, course objectives: see listing of following topics: **(Note: training is in separate rooms)**

### **Water Operator Training:**

**Presenters: Javon Baker and Stewart Kasper, KRWA**

- Chlorination concepts (free vs. combined, etc.)
- Chlorine residual monitoring
- Sample collection procedures (bacteriological, THM/HAA5, lead and copper, etc.)
- Well operation and maintenance, troubleshooting problems
- Knowledge of water quality issues
- Regulatory update/Maximum Contaminant Levels
- Distribution system operation, including leak detection, water line disinfection procedure, water loss, storage tanks
- Review of plans required by KDHE, including Emergency Operations Plan, Cross-Connection Control Program, Bacteriological Sampling Plan
- Safety issues and procedures (safety hazards, chemical handling, gas chlorine, etc.)
- Basic math calculations including surface area, volume, chemical dosages, etc.

### **Wastewater Training - Small Systems, Class 1**

**Presenters: Jason Solomon and Charlie Schwindamann**

- Review of basic wastewater terms (BOD, pH, TSS)
  - Characteristics of sewage (raw vs. treated)
- Processes involved in primary and secondary treatment
  - Lagoons vs. mechanical plants
- Collection system O&M (including lift stations)
- Operating facultative waste stabilization ponds
  - Biological processes at work; series vs. parallel
  - Troubleshooting problems
- Sample collection
- NPDES permit requirements
- KDHE Incident Report Form for reporting sewage bypasses
- Safety issues and procedures, including confined space entry, shoring/trenching, immunizations, typical hazards
- Basic math calculations, including surface area, volume, organic vs. hydraulic loading; detention time