



<b>Workshop #</b>	WW210
<b>Workshop Name</b>	Lift Stations
<b>Summary</b>	The workshop covers different types of lift stations, and their components, such as level controls, valves, wetwell design, pump types, pressure and head. This covers all types of lift stations, with a special emphasis on wetwell-drywell stations. The workshop will give an overview of the topics—culminating with actual real-life troubleshooting exercises (different types of collection system problems and solutions). Some similar WWWATER classes: The Collection Systems workshop (WW200), and the long-term Collection Systems class (LT200).
<b>KDHE/ABC Credits/Points</b>	10 hours/0.25 points
<b>Target Audience</b>	A basic collection system course— for collection system, lift station and treatment plant operators, their supervisors, and those who maintain collection systems and/or lift stations.

### Workshop Description

The state of Kansas does not require Collection Systems Operators to be certified. However, many municipalities are requiring, or at least highly encouraging their Collection System Operators to obtain certification. Even if your employer does not require it, it is a good idea to get training and knowledge in the Collection System field.

This workshop is for those operators who want to learn more about lift stations. The workshop will cover topics such as the various types of lift stations, their components (such as the different types of level controls, how they work, and simple maintenance), lead/lag, how centrifugal pumps work, power (such as starters and contactors, and how to check fuses and power terminal connections), head vs. pressure, and confined space safety. After building the foundational concepts of each of these topics (and more), the workshop participants solve over a dozen actual real-world trouble-shooting problems. Based on the knowledge picked up in the workshop, the operator will be better equipped to troubleshoot and solve typical lift station problems.



A typical float system for level control in a lift station.

*(Continued on page 2)*



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Also, be watching for a long-term Collection System class coming to a collection system near you! Ask the Instructor for more info, or see the WWWATER website.

This workshop will help you prepare for Collection System and Wastewater Treatment Operator Certification.

**NOTE:** KDHE does not certify collection systems operators, nor do they give exams for collection systems. The Collection Systems Certification is a voluntary certification which is given by the ABC (*Association of Boards of Certification*), which also certifies water distribution, lab, biosolids and maintenance personnel. Although the test is not mandatory, many municipalities and organizations require it for employment.

### Some Testimonials from Students:

- Very clear and straight to the point. Explained everything to where it was easy to understand.
- Presentation of material was very good. Handout booklet will be nice to have for future reference.
- Instructor was very good at communication & answering questions & explaining the answers.

### How to register

1. Follow the link below to go to the Workshop page on the website, or use any app that can read QR codes and scan the QR code below.
  - Be sure to read all information—especially the information in **red**—before proceeding.
2. Click on the link of the appropriate Workshop Title. This takes you to the "At A Glance" page for your chosen workshop.
3. Next, double-check the information (like the workshop title, date and location of the workshop) to be sure you have chosen the correct one.
4. Then click on the appropriate link to register and pay

### Links:

<http://wwwater.org/workshops.html>



WWWATER Workshops