



*This Advanced Training course is offered by KRWA to help water and wastewater operators keep pace with the latest in electrical circuit technology.*

## The Kansas Rural Water Association

Presents:

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### Specialized Training Course

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# Advanced Electrical Schematic Reading and Troubleshooting

**Wednesday and Thursday**

**August 18 and 19, 2010**

Physician Pavilion  
1230 E 6th Avenue  
Winfield, KS

## TRAINING NOTICE:

The Kansas Rural Water Association is pleased to offer a two-day Advanced Electrical Schematic Reading and Troubleshooting Training, Wednesday and Thursday, August 18 and 19, 2010 at the Physician Pavilion at 1230 E. 6th Avenue in Winfield, KS. The class size is limited to 20 because of the equipment required for the training. Registrations will be accepted in order of receipt.

This **Advanced Electrical Schematic Reading and Troubleshooting** class provides an opportunity for those experienced in basic electricity to concentrate on reading, understanding and troubleshooting from electrical schematics. Participants must bring their own multi-meter.

Again, there are openings for a total of 20 registrants in each session. Anyone who is interested should call KRWA at 785.336.3760 IMMEDIATELY or register online at [www.krwa.net](http://www.krwa.net) and then under "training". KRWA cannot accept more than 20 registrants per class due to the various test benches provided for the training.

This two-day course will be held on Wednesday & Thursday, August 18 and 19. The training begins with registration, coffee and rolls at 8:30 a.m.; the training begins at 9 a.m. and will conclude by 4:30 p.m. each day. Again, **class size is limited to 20 persons.**

## COURSE TOPICS:

### Course topics include:

- Electrical Components and How They Work
- Symbols for Electrical Components in Schematic Form
- Ladder Diagrams
- Electrical Schematics

Those attending will learn to draw schematics, wire the circuit from schematic drawings and troubleshoot electrical problems using schematics and wiring for a variety of electrical components.

## DATES AND LOCATION:

**Advanced Electrical Schematic Reading and Troubleshooting  
Wednesday and Thursday  
August 18 and 19, 2010  
Physician Pavilion, 1230 E. 6th Avenue  
Winfield, KS**

***Directions:** Directions: From the intersection of Highways 15/160, proceed east on Highway 160 / 9th Avenue; turn north on Cherry Street; proceed north to 6th Avenue. Follow parking signs; park on west of the parking lot in the grass lot.*

## CERTIFICATION CREDIT:

Water and wastewater operators who attend will receive one (1) hour towards certification or renewal for each hour of attendance at both courses. Full course attendance will provide 10 hours credit.

## PRESENTER:

Robert Blume holds certification to teach Industrial Electricity. Bob has also operated his own electrical repair business for many years. He has provided training to more than 4300 water and wastewater operators through KRWA.

## REGISTRATION:

Because of the class size being limited, anyone wishing to attend this Advanced Course is encouraged to call KRWA at 785.336.3760 immediately to register. You may also register online at [www.krwa.net](http://www.krwa.net) and then under 'training.' Or, you may complete the attached form and return it to KRWA, PO Box 226, Seneca, KS 66538.

## FEES:

This training is provided at NO CHARGE to the first 20 persons who register. Registration is required and is requested by Friday, August 13. **There is NO Charge for attendance. This training is provided as a benefit of the Kansas Rural Water Association.**

Place  
Stamp  
Here

Kansas Rural Water Association  
PO Box 226  
Seneca, KS 66538

Kansas Rural Water Association  
PO Box 226  
Seneca, KS 66538

Non-Profit Organization  
Permit No. 12  
U.S. Postage  
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Seneca, KS 66538

ADDRESS SERVICE REQUESTED

*Advanced Electrical Training*