



SOUTHERN STATE
COMMUNITY COLLEGE

License Renewal Workshop

for Water & Wastewater
Operators



Tuesday, **October 24, 2017**



SOUTHERN STATE
COMMUNITY COLLEGE
100 Hobart Drive, Hillsboro, OH 45133

About the Workshop

The Workforce Development and Community Services Division of Southern State Community College is sponsoring a workshop to allow water and wastewater operators to **gain up to (6) Contact hours in just one day.**

This workshop will be held at:
Albert S. George Youth Center
130 Fair St.
Barnesville, OH 43713

PLEASE NOTE!

The Ohio EPA now requires all attendees to have their **Core Person ID Number with them to sign in on the day of attendance.** Certification of attendance to the Ohio EPA cannot be sent without this number.

Workshop hours are **8:30 a.m.- 4:00 p.m.**, with a continental breakfast, lunch, and break refreshments provided - all included with the cost of the workshop.

There are **three ways to register** for the workshops; by **mail, phone, or email.** Details are provided inside this brochure.

We hope you can take advantage of this **unique training opportunity**, and look forward to seeing you in class!

If registering by mail, please detach this form and mail to

Kim Fitzpatrick at SSCC

Workforce Development & Community Services

1850 Davids Drive

Wilmington, OH, 45177

Advanced Water/Wastewater Disinfection Technologies

Tuesday, October 24, 2017

8:30 a.m. – 4:00 p.m.

(6) Contact Hours – Course # ENRC 6490 ZO1
OEPA Approval- OEPA-B88151727-OM both DW & WW

Instructor: Mike Harrington, C.E.T.

Description: This program starts by doing a quick comparison of the three common chlorine types: Gas, Hypochlorite, HTH, (solid form of chlorine). We then look at alternative forms of disinfection/oxidation using two-component chemical and non-chemical systems. See what happens when Chlorine is added to Ammonia (Chloramines), or Sodium Chlorite (Chlorine Dioxide) and how different both of these alternatives perform disinfection and byproduct issues. Next we look at the role Hydrogen Peroxide plays when combined with, Acetic Acid (Peracetic Acid) Ultraviolet, (Advanced Oxidation Processes) and even simple dissolved Iron. We introduce the role of Hydroxyl ions (OH) in destroying pathogens, reducing & oxidizing troublesome by-products and toxics like arsenic and cyanide in our waters and wastewaters.

Learning Objectives: At the conclusion of this program, operators should be able to:



Explore alternative disinfection/oxidation processes that may be a replacement for traditional chlorination practices.



Explore two-component disinfection/oxidation systems that generate only carbon dioxide and water as byproducts, yet are stronger oxidizers second only to Ozone.



Understand byproduct reduction and pathogen destruction can be accomplished by common chemical and non-chemical additions like Ultraviolet, Hydrogen peroxide, and even soluble Iron.

WORKSHOP LOCATION

The workshop will be held at:
Albert S. George Youth center
130 Fair St.
Barnesville, OH 43713

Registration

Earn (6) Contact hours for this workshop! **Cost of the workshop is \$125 per person**, which includes a light breakfast, lunch, and snacks throughout the day. There are three ways to register for this workshop:

- 1 By mail** – complete the attached form and return it with your registration fee no later than **October 20** to Kim Fitzpatrick at SSCC, Workforce Development & Community Services, 1850 Davids Drive, Wilmington, OH, 45177. Checks should be made payable to Southern State Community College.
- 2 By phone** – call 800.628.7722 x4684, and provide your credit card number.
- 3 By email** - send an email containing your registration information to Kim Fitzpatrick at kfitzpatrick@sscc.edu.

Please Note: Online registration is currently unavailable for these workshops. Reservations can only be made by the methods listed above - by mail, phone, or email. We apologize for any inconveniences.

Cancellations must be received seven days prior to workshop date. For more information, please contact Russ Brewer at 937.695.9002.

Mail-In Registration Form

If you would like to register by mail, please complete this form and return it with your registration fee no later than **October 20**.

Cost of the workshop is \$125 per person, which includes a light breakfast, lunch & snacks each day.

PLEASE NOTE: The Ohio EPA now requires all attendees to have their **Core Person ID Number with them to sign in on the day of attendance**. Certification of attendance to the Ohio EPA cannot be sent without this number.

Send to: Kim Fitzpatrick at SSCC, Workforce Development & Community Services, 1850 Davids Drive, Wilmington, OH, 45177. *Checks should be made payable to Southern State Community College.*

Name _____

Organization _____

Home Address _____

City _____

State _____ Zip _____

Phone _____

Email _____

DOB _____ Last 4 digits of SSN _____

Check box below and complete if information is different than above.

Billing information/address _____

I will be attending *Advanced Water/Wastewater Disinfection Technologies* on 10/24/17
(Course #ENRC 6490 ZO1)