



# About the WORKSHOPS

The Workforce Development and Community Services Division of Southern State Community College is sponsoring two workshops to allow water and wastewater operators to **gain up to (12) Contact hours in just two days**. Choose one or both, according to what your schedule allows.

## 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 each day 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. Registration begins at 8 a.m. Classes are subject to change due to unforeseen COVID-19 restrictions.

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

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



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



# License Renewal WORKSHOPS

for **Water & Wastewater Operators**



Tuesday, **May 14, 2024**  
Wednesday, **May 15, 2024**

at the **Highland County Water Company**  
6696 U.S. Route 50  
Hillsboro, Ohio 45133



**SOUTHERN STATE**  
COMMUNITY COLLEGE

## Water/Wastewater Process Applications of **Chlorine Dioxide**

Tuesday, May 14, 2024

8:30am – 4:00pm

(6) Contact Hours

OEPA Approval – OEPA-B88254258-OM

(Both DW & WW)

**Instructor:** Mike Harrington, C.E.T.

**Description:** This six-hour presentation looks at Chlorine Dioxide's potential as the new primary disinfection for the 21st century. We will explore this disinfectant by first comparing the common forms of Chlorine, then we will look at very basic chemistry to determine why Chlorine Dioxide has terrific potential as a replacement. We will explore common uses today, some of the key difference/advantages Chlorine Dioxide offers operators when disinfecting our potable waters, and treated wastewater effluents. With today's high transportation costs perhaps it is time to look at site-generation of our primary oxidizers. Chlorine Dioxide may prove to be the disinfectant of choice to minimize byproducts and maximize disinfectant residuals at predictable costs.

### Learning Objectives:

- 1) Understand how Chlorine Dioxide is produced and handled as well as safety, storage, etc.
- 2) Learn why Chlorine Dioxide reactions in water and wastewaters are so unique - the only Chlorine based oxidizer that does not hydrolyze
- 3) Explore potential applications in both water and wastewaters for disinfecting as well as minimizing byproducts

## Comparing Alternative Disinfection Systems for **W/WW Operations**

Wednesday, May 15, 2024

8:30am – 4:00pm

(6) Contact Hours

OEPA Approval – OEPA-B88254301-OM

(Both DW & WW)

**Instructor:** Mike Harrington, C.E.T.

**Description:** During this session, attendees will learn about the pros and cons of chlorine (gas, powder, liquid) compared and contrasted against alternatives like Chloramines, Chlorine Dioxide, Ozone, UV, Peracetic Acid, Fenton's Reaction, Ultra-filtration and other disinfectants as well as how they may help in meeting requirements for the disinfection by-products and upcoming groundwater rules. This will be an Interactive program combining superb computer generated visuals, discussion, and demonstrations.

### Learning Objectives:

- 1) List the five basic requirements for any primary disinfection system
- 2) List the common disinfection alternative systems to Chlorine
- 3) Apply the "Five Basic Disinfection Requirements" to further explore one or more of the alternative disinfection systems
- 4) Compare and contrast the common alternative disinfection systems to Chlorine
- 5) Compare and contrast the three common Chlorine compounds used in water/wastewater operations



**Please note:** MASKS are not required, but may be worn if preferred.

*Please remember the importance of handwashing and sanitizing. If you are feeling ill, please do not attend the workshop. Contact Amanda Lewis at **800.628.7722 x3520** for a refund.*

# REGISTRATION

Earn (6) contact hours for each workshop!  
**Cost of each workshop is \$150 per person**, which includes a light breakfast, lunch, and snacks each day (*depending on any unforeseen COVID-19 restrictions*). **The deadline to register is May 8, 2024.** There are three ways to register for these workshops:

**ONLINE** – complete the online form at <https://www.sccc.edu/academics/short-term-training/water-workshops-registration.shtml>

*For online registrations, an email confirmation will be sent once successfully enrolled.*

**PHONE** – call **800.628.7722 x3520** (Amanda Lewis) Monday through Thursday, 7:30am – 5:30pm, and provide your credit card number or purchase order number and billing address.

**EMAIL** - send an email containing your registration information to Amanda Lewis at [alewis@sccc.edu](mailto:alewis@sccc.edu).

### 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.

*Cancellations must be received seven days prior to workshop date. For more information, please contact Amanda Lewis at [alewis@sccc.edu](mailto:alewis@sccc.edu) or by calling 800.628.7722 x3520.*

**LIMITED SPACE AVAILABLE**  
Class Capacity is 60  
**REGISTER EARLY**