

# CEUs - CONTINUING EDUCATION UNITS

## Disinfection Principles

[ 1/2 DAY INSTRUCTION ]

### COURSE OVERVIEW

To provide operators of water treatment and water distribution systems with a brief overview of the various processes available for the disinfection of potable water.

### COURSE OUTLINE

- Destroying pathogens in water (introduction / overview, disinfection by inactivation, chemical disinfection methods – chloramination, chemical disinfection methods – ozone, chemical disinfection methods – ultraviolet light, chemical disinfection methods – chlorination, chemical disinfection methods – chlorine dioxide generation, factors that affect chemical disinfection, chemical disinfection by-products (DBPs)).

- Physical disinfection (process of filtration, filtration technologies, monitoring granular filter performance, granular filter problems, troubleshooting granular filter problems, membrane filtration, particle counting).

- Chlorination equipment (gas chlorination facilities, hypochlorination facilities, facilities for other oxidants, chlorine safety).

- Disinfection chemical feed calculations.

- Procedure for disinfection of drinking water in Ontario.

- Appendices (glossary, disinfection test).

### PREREQUISITE

Open.

### TARGET AUDIENCE

Water utility field staff, water utility construction inspectors, and water system design personnel.

**DOWNLOAD THE KCE  
REGISTRATION FORM  
FROM OUR HOMEPAGE.**

### DATE

June 7, 2016

### TIME

1:00 pm to 4:00 pm

### LOCATION

Nipigon

### COURSE DURATION

1/2 day

### DIRECTOR APPROVED CEUs

0.4

### COST

\$150.00 + \$19.50 = \$169.50

### TRAINER

James Haskell



### PHONE

807-737-1135 x4000 x4001

877-737-5638 x4000 x4001

### FAX

807-223-8426

### E-MAIL

[info@watertraining.ca](mailto:info@watertraining.ca)

### WEB SITE

[www.watertraining.ca](http://www.watertraining.ca)

