

CEUs - CONTINUING EDUCATION UNITS

Disinfection Principles

[1/2 DAY INSTRUCTION OR ONLINE]

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.

LOCATION

TBD

PHONE

807-737-1135 x4000

877-737-5638 x4000

FAX

807-223-8426

E-MAIL

info@watertraining.ca

WEB SITE

www.watertraining.ca



COURSE DURATION

1/2 day / online

TIME

8:30 am to 12:00 pm

DIRECTOR APPROVED CEU

0.4

TRAINER

TBA

COST

\$125.00 + \$16.25 HST = \$141.25

\$75.00 + \$9.75 HST = \$84.75

