

WATER & WASTEWATER OPERATIONS

These courses are approved by the NY State Department of Health for pre-certification training. Under Part 5 of the NY Sanitary Code, all NY State Grades A, B, C, and D Water Treatment Plant Operators are required to complete an approved training program as a prerequisite to becoming certified.

Program Director: Henry Jaen, P.E.

SU MATH FOR WATER OPERATORS

As an operator, you will use math on a daily basis. This course serves as a refresher to those who may feel intimidated by basic math, algebra, and solving word problems. This course is strongly recommended before taking the Basic Wastewater Lecture or Laboratory. No textbook. **Instructor: S. Rider**

Outline:

Class 1: Basic math, geometry, and conversions

Class 2: Basic algebra, how to solve word problems

Class 3: Using wastewater formulas to solve word problems

DCB 1735-07 T/R 1/9, 11 & 16 6-8pm SRC \$129



BASIC WASTEWATER LECTURE

This course provides the knowledge base to keep a wastewater treatment plant operating efficiently. The characteristics of each individual process and how they work together are studied. Recommended prerequisite: Math for Wastewater Operators. Price includes two texts.

Instructor: H. Jaen, P.E.

PSP 1502-11 T/R 1/18-4/5 6-9pm KSU \$1,029
No class 3/12-16

BASIC WASTEWATER LABORATORY

This laboratory course is designed to enable the wastewater operator to perform laboratory procedures necessary to determine control strategies for efficient operation of a wastewater treatment plant. Price includes text.

Instructor: S. Rider

PSP 1501-13 T/R 4/10-5/15 6-9pm SRC \$639

ACTIVATED SLUDGE COURSE

Required course for candidates applying for certification for an activated sludge or "A" facility. The course instructs how to efficiently operate the activated sludge portion of a wastewater treatment plant. Control strategies and application of laboratory data are presented. Safety and regulatory recordkeeping are emphasized. Price includes text. **Instructor: W. Rice**

PSP 1503-13 T/R 5/17-6/19 6-9pm SRC \$569

RENEWAL OPPORTUNITIES FOR WATER & WASTEWATER OPERATORS

SU LOCKOUT / TAGOUT

Wastewater operators performing service or maintenance duties may be exposed to injuries from the unexpected energizing or startup of the machinery or equipment, or release of stored energy in the equipment. This course presents lockout/tagout safeguards. *DEC approved for 1.5 contact hours.* **Instructor: W. Rice**

PSP 1518-01 W 2/14 8am-9:30pm KSU \$39

CONFINED SPACE

This course presents safe confined space entry techniques, including determining what is a confined space, the hazards involved, precautions and equipment required to make a safe entry and the necessary documentation. *DEC approved for 1.5 contact hours.* **Instructor: W. Rice**

PSP 1517-01 W 2/14 9:45-11:15pm KSU \$39

DISINFECTION/DECHLORINATION

This class reviews the properties, uses, chemistry, and equipment used for chlorination in odor control, ammonia removal, filament control, and disinfection at wastewater treatment facilities. Dechlorination reviews the chemicals used, chemistry, and equipment used in the removal of chlorine from wastewater. *4.5 DOH contact hours. 4.0 DEC contact hours.* **Instructor: W. Rice**

PSP 1519-04 W 2/14 11:30am-5pm KSU \$119

3A EXAM REVIEW

If you hold a 3A license, successful completion of the 3A exam allows you to act as operator-in-charge at a 3A plant or as the licensed operator at a 4A plant. *7 DEC contact hours.* **Instructor: W. Rice**

PSP 1521-06 W 3/21 8:30am-4pm KSU \$169

STORMWATER RUNOFF REDUCTION

This class presents green methods for reducing stormwater runoff problems and discusses possible pollutants that may be contained in stormwater runoff. *Contact hours pending.* **Instructor: D. Allen**

PSP 1530-02 W 4/18 8:30am-4pm KSU \$169

WATER / WASTEWATER & HAZWOPER ONLINE

Environmental Technology Online offers a variety of water and wastewater courses approved by the NY DOH and NY DEC for contact hours as well as hazardous materials training. Hazwoper 8, 24 and 40-hour meet the requirements of 29 CFR 1910.120, OSHA's Hazardous Waste Site Worker and Emergency Response Standard.

For more information, please contact
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