

WATER & WASTEWATER OPERATOR CERTIFICATION PROGRAMS

Occupational Outlook

What Water & Wastewater Operators Do

They manage a system of machines, often through the use of control boards, to transfer or treat water or wastewater. Operators monitor operating conditions, meters and gauges.

Education

To become a certified operator, one must have a high school diploma or GED, successfully complete the necessary training, have the requisite approved operating experience, demonstrate laboratory proficiency and pass the state approved certification exam.

Pay

The median annual wage for water and wastewater operators was \$44,790 in May 2015. Entry-level wages are often lower than the median.

Job Outlook

Employment of water and wastewater treatment plant and system operators is projected to grow 6% from 2014 to 2024. Job prospects are expected to be excellent.

Source: Bureau of Labor Statistics

WASTEWATER OPERATOR PRE-CERTIFICATION TRAINING

Program Director: Henry Jaen, P.E.

MATH FOR WASTEWATER 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

PSP 1528-01 T/R 1/10-17 6-8 pm KSU \$131

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. **Lead instructor: H. Jaen, P.E.**

PSP 1502-10 T/R 1/19-4/6 6-9 pm KSU \$1029

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 1501-12 T/R 4/11-5/16 6-9 pm 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 1503-11 T/R 5/18-6/20 6-9 pm SRC \$569

RENEWAL OPPORTUNITIES FOR WATER & WASTEWATER OPERATORS



ADVANCED LAB SKILLS - MAKING REAGENTS IN THE LAB

Learn how to make reagents you use in the water and wastewater laboratory. Gravimetric and volumetric measurements will be covered, as well as concentration conversions. 6 NY DOH contact hours.

6 NY DEC contact hours. Instructor: S. Rider

PSP 1525-02 M/W 4/3-5 6-9pm SRC \$141

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 NY DEC contact hours. Instructor: W. Rice

PSP 1521-05 T 2/7 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 1530-01 W 4/19 8:30am-4pm KSU \$169

DISCHARGE MONITORING REPORT (DMR)

This course presents general guidance for filling out and submitting a Discharge Monitoring Report form. Contact hours pending. Instructor: W. Rice

PSP 1527-01 W 5/3 8:30am-4pm KSU \$169

FIXED FILM OPERATIONS

This course covers all aspects of the design, operations, maintenance and trouble shooting of the fixed film process. Instructor: W. Rice

PSP 1526-01 W 6/21 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 40, 24, 8 Hour meet the requirements of 29 CFR 1910.120, OSHA's Hazardous Waste Site Worker and Emergency Response Standard.

For further information call 845-687-5012 or email songayla@sunyulster.edu

DID YOU KNOW?

Do you know where your clean drinking water comes from?
Or your dirty water goes? Out of the faucet or down the drain, right?

Most of us don't think about it. But water treatment plant operators know exactly where it goes and what makes it safe for human consumption. The federal government projects excellent job prospects for water and wastewater operators in coming years.