

## WASTEWATER CERTIFICATION REVIEW / INDUSTRIAL

*Approved for 14 technical hours / Wastewater*

Review topics directly related to the Industrial exam questions. Topics discussed include: Types of industrial wastewater, waste segregation, flow equalization, water usage, neutralization and hydroxide precipitation, sulfide precipitation, electroplating and metals removal, cyanide destruction and hexavalent chromium reduction. ORP and pH monitoring equipment. Filtration and membrane systems. Biological treatment systems, activated sludge and trickling filters and solids handling. Laboratory tests and troubleshooting. Practice multiple choice questions and learn how to find the correct answer. Bring your questions and know previous exam questions.

## WASTEWATER CERTIFICATION REVIEW / MUNICIPAL

*Approved for 14 technical hours / Wastewater*

Review topics directly related to the Municipal exam questions. Topics discussed include: Screening, grit removal, pre-aeration, primary clarifier design and troubleshooting, trickling filters and RBCs, activated sludge process and troubleshooting. Package plants and oxidation ditches, advanced waste treatment, filtration, nitrogen and phosphorous removal, effluent disinfection, chlorination and ultra violet irradiation, laboratory tests and troubleshooting. Practice multiple choice questions and learn how to find the correct answer. Bring your questions and know previous exam questions.

## WASTEWATER MATHEMATICS

*Approved for 6.0 technical hours / Wastewater*

*Wastewater Mathematics* class is an excellent class to practice solving wastewater treatment plant arithmetic problems. The class addresses typical wastewater plant problems such as flows, grit channels, sedimentation tanks and clarifiers, trickling filters, activated sludge, chlorination, chemical doses, and design problems. Learn how to use basic conversion factors and formulas to solve these problems. The class is also an excellent preparation for the State exam. Attend the class and prepare for the test. Included: **Free** Wastewater Mathematics manual.



### *Wastewater Certification Review Textbook*

This book contains municipal, industrial, laboratory, safety and technical topics that are directly related to the test. Included in the book are 700 multiple-choice questions and answers. In addition to the topics mentioned above the Complete Edition includes the

following topics: wastewater mathematics, introduction to the national pretreatment program and security topics related to protecting your community's assets. The cost of the book is \$65.00 plus \$10.00 S&H. Order your copy when you register online and save \$5 on S & H.

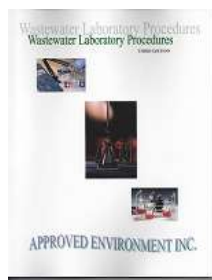
## LABORATORY PROCEDURES FOR PLANT CONTROL

*Approved for 6 technical hours /Water & Wastewater*

This class provides critical and important instructions and tips on how to perform laboratory analysis on wastewater and develop a laboratory Quality Assurance Plan that will generate sound scientific laboratory data.

The class addresses important topics such as: Quality control measures, equipment maintenance and calibration, grade "A" water, solutions and reagents, sampling, preservation of samples. Wastewater analysis procedures including: TSS, BOD, MLSS, Settleability test, SVI and RAS calculations. Bacterial testing, E. Coli and coliform.

### *Wastewater Laboratory Procedures Textbook*



This book provides critical and important instructions and tips on how to perform laboratory analysis on wastewater and develop a laboratory Quality Assurance Plan. In addition, the manual includes a large section on microscopic examination of activated sludge to evaluate operational and plant upset conditions. Special section on laboratory safety and microbes present in wastewater. Final Exam included. Test your knowledge and prepare for the laboratory certification exam. **\$50 (Free Shipping).**

## INDUSTRIAL WASTE MANAGEMENT

*Approved for 4 technical hours / Wastewater*

Management of industrial wastes comes first before treatment. Successful treatment depends on managing the waste properly. Topics include: Industrial discharge characteristics, industrial waste prevention and reduction, use of water by industry, water reuse, waste segregation, select the best alternative in solids handling.

## CHEMICAL TREATMENT

*Approved for 6 technical hours /Water & Wastewater*

This class presents the important chemical reactions used in the treatment of water and wastewater. Learn how the pH has a great impact in removing pollutants from water and wastewater. Select the correct chemicals and learn about oxidation, reduction, neutralization and displacement. Determine Chemical dosages through jar tests. Discussions include: polymers and coagulants usage.

## PARASITES AND PATHOGENS

*Approved for 4 technical hours /Water & Wastewater*

A review of the significant disease agents found in wastewater, sludge and treatment processes which present actual or potential health risks to water and wastewater personnel. Disease agents reviewed include viruses, parasitic protozoa and worms, and pathogenic bacteria and fungi, including HIV and Hepatitis A viruses. Also covered in this course are the transmission of diseases, hygiene measures and immunization.

## REGISTRATION

To register, complete the registration form and return to our office before the class date. Please don't send checks in the mail. See Method of payment.

**Mail completed form to:  
Approved Environment, Inc.**

6538 Redland Way  
Indianapolis, IN 46217

## LODGING

**Candlewood Suites (\$79/night)**

**5250 W. Bradbury Avenue  
Indianapolis, IN 46241**

**Hotel Phone: (317) 241-9595**

**Fairfield Inn and Suites (\$84/night)**

**5220 W Southern Ave, Indianapolis, IN 46241**

**Hotel Phone: (317) 244-1600**

## Registration Form

Organization Name \_\_\_\_\_

Billing Address \_\_\_\_\_

Student Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone \_\_\_\_\_

### Spring 2015

**Wastewater Certification Review/Industrial** \$275

May 4 & 5 8:30 a.m. – 4:30 p.m.

**Wastewater Certification Review/Municipal** \$275

May 4 & 5 8:30 a.m. – 4:30 p.m.

**Wastewater Mathematics** \$125

May 6 8:30 a.m. – 3:30 p.m.

**Laboratory Procedures for Plant control** \$145

May 14 9:00 a.m. – 4:00 p.m.

**Chemical Treatment** \$145

May 15 9:00 a.m. – 4:00 p.m.

**Industrial Waste Management** \$99

June 25 8:30 a.m. – 12:30 p.m.

**Parasites and pathogens** \$99

June 25 1:00 p.m. – 5:00 p.m.

### Fall 2015

**Wastewater Certification Review/Industrial** \$275

October 5 & 6 8:30 a.m. – 4:30 p.m.

**Wastewater Certification Review/Municipal** \$275

October 5 & 6 8:30 a.m. – 4:30 p.m.

**Wastewater Mathematics** \$125

October 7 8:30 a.m. – 3:30 p.m.

### Bookstore

**Wastewater Certification Review textbook**  
\$65 (plus \$10 total S&H for one book or more)

**Wastewater Laboratory Procedures textbook**  
\$50 (Free Shipping)

Maps and directions to class locations and lodging information will be sent with confirmation letters

### Method of Payment

You may pay by credit card or electronic check online at [www.approvedce.com](http://www.approvedce.com) or by calling 877.241.9858.

Please don't send checks by mail. If your town or village must pay by a check please let your accounting department contact ours at (317) 452-5353



## Water and Wastewater Certification and Continuing Education Seminars

2015

### Location



### Indianapolis, Indiana

Approved Environment Training Center  
2346 S LYNHURST DR. INDIANAPOLIS, IN 46242  
SUITE 711

### LEARN FROM THE EXPERTS

Prepare for the Certification Exam

Earn Credit for License Renewal

**Wastewater Certification Review/Municipal**  
**Wastewater Certification Review/Industrial**  
**Wastewater Mathematics**  
**Industrial Waste Management**  
**Chemical Treatment**  
**&more**

[www.approvedce.com](http://www.approvedce.com) 877.241.9858

Payments must be received before the class date.