Includes a learning style analysis, tips for better test taking, 17 modules of training related to basic wastewater treatment operations, games and activities, review sections, and unlimited use of practice exams for six weeks of study.

Train 2 Retain Resources, LLC
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Our Course Includes:

**Module 1—THE TREATMENT SPECIALIST**
Understanding the Water Cycle
Review Section and Games
Flash Cards—Important Terminology

**Module 2—WHAT IS WASTEWATER?**
Pollution
Water Contamination
Oxygen Depletion
Pathogenic Organisms
Review Section and Games
Flash Cards—Important Terminology

**Module 3—WASTEWATER SOURCES**
Domestic/Residential
Commercial
Industrial
Stormwater
Groundwater
Review Section and Games
Flash Cards—Important Terminology

**Module 4—WASTEWATER CHARACTERISTICS**
Solids in Wastewater
Biological Oxygen Demand
pH
Nutrients
Microconstituents
Review Section and Games
Flash Cards—Important Terminology

**Module 5—SAMPLING**
Types of Samples
Automatic Samplers
Sampling Locations
Sampling Criteria
Review Section and Games
Flash Cards—Important Terminology

**Module 6—CONVENTIONAL TREATMENT**
Typical Treatments
Review Section and Activity

**Module 7—PRELIMINARY TREATMENT**
Septage Receiving
Equalization Basins
Screens
Grinders/Comminutors
Grit Removal
Flow Measurement
Review Section and Games
Flash Cards—Important Terminology

**Module 8—PRIMARY TREATMENT**
Flow Distribution

**Module 8—PRIMARY TREATMENT, cont.**
Clarifier Efficiency
Sludge/Scum Removal
Primary Solids
Detention Time
Weir Overflow Rate
Testing
Equipment in Primary Treatment
Review Section and Games
Flash Cards—Important Terminology

**Module 9—NATURAL TREATMENT**
Stabilization Lagoons
Wetlands
Treatment within Wetlands
Testing of a Lagoon
Review Section and Games
Flash Cards—Important Terminology

**Module 10—SECONDARY TREATMENT**
Activated Sludge
Fixed Film
Nitrification/Denitrification
Process Control and Labwork
Review Section and Games
Flash Cards—Important Terminology

**Module 11—TERTIARY TREATMENT**
Carbon Adsorption
Chemical Coagulation/Precipitation
Review Section and Games
Flash Cards—Important Terminology
Module 12—DISINFECTION
Chlorination
Dechlorination
Ultraviolet Irradiation
Ozonation
Dose/Residual
Review Section and Games
Flash Cards—Important Terminology

Module 13—ADDITIONAL TREATMENT TOPICS
Hauled Waste
Fats, Oil, and Grease
Odor Control
Pumps and Maintenance
Motors and Maintenance
Review Section and Games
Flash Cards—Important Terminology

Module 14—SOLIDS HANDLING
Solids Digestion
Dewatering
Sludge Management Practices
Review Section and Games
Flash Cards—Important Terminology

Module 15—REGULATORY REPORTING
Operator Certification
Discharge Monitoring Reports
Review Section and Games
Flash Cards—Important Terminology

Module 16—SECURITY
Electronic Security—Data & SCADA
Physical Site Security
Hazardous Chemicals Safety/Security

Module 16, cont.
Emergency Response Planning
Review Section and Games
Flash Cards—Important Terminology

Module 17—FINAL MATH REVIEW
Total Solids
Total Suspended Solids
Biological Oxygen Demand
Gallons Conversions
Pounds Calculations
Weir Overflow Rate
Percent Removal Efficiency
Detention Time
Calculation of Surface Area—Acres
Calculation of Volume
Population Loading
Hydraulic Loading
Organic Loading
Food to Microorganism Ratio
Sludge Age
Chlorine—Dose, Demand, Residual
SOUR Calculation
Volatile Solids Loading
Pumping Rates

TIPS FOR TAKING A CERTIFICATION EXAM

COMPLETE GLOSSARY OF ALL COURSE TERMS

PRACTICE EXAMS—Over 700 questions in question bank, so practice exams are different with every attempt. Exams are instantly scored and all incorrect answered questions identified by section for further study.

Contact us for further information:
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