

DRINKING WATER AND WASTEWATER EXAMINATION SUBJECT AREA OVERVIEW

The Drinking Water and Wastewater Treatment Plant Operator examinations are composed of four levels; Operators - Class A, Class B, Class C, and Class D. These examinations are given, for each type and level, on one day. The examination time allocated is three (3) hours for Class A, B, and C, with 100 questions. The examination time allocated is two (2) hours for Class D with 50 questions. All exams are composed of multiple choice questions.

SUBJECT OUTLINE FOR WATER TREATMENT PLANT OPERATORS –

Class A Drinking Water Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Chemical Treatment/Addition
- Clarification/Sedimentation
- Coagulation/Flocculation
- Facility Management
- Filtration
- Laboratory Sampling, Analysis & Interpretation
- Math
- Process Control
- Perform Safety & Security Procedures
- Residuals Disposal
- Regulations

Class B Drinking Water Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Characteristics of Source Water
- Chemical Treatment/Addition
- Coagulation and Flocculation
- Corrosion Control
- Clarification/Sedimentation
- Disinfection & Disinfectant Byproducts
- Distribution
- Facility Operation & Maintenance
- Filtration
- Fluoridation
- Iron and Manganese Control
- Laboratory Sampling, Analysis & Interpretation
- Maintain Equipment
- Math
- Operate Equipment
- Regulations
- Reservoir and Well Field Management
- Softening
- Taste and Odor Control

Class C Drinking Water Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Aeration
- Characteristics of Source Water
- Clarification/Sedimentation
- Coagulation and Flocculation
- Corrosion Control
- Disinfection
- Disinfection and Disinfectant Byproducts
- Distribution
- Filtration
- Facility Operation and Maintenance
- Evaluate Equipment
- Iron and Manganese Control
- Laboratory Sampling, Analysis & Interpretation
- Math
- Operate Equipment
- Perform Safety and Security Procedures
- Regulations
- Reservoir and Well Field Management
- Softening
- Taste and Odor Control
- Waste Handling and Disposal
- Water Process

Class D Drinking Water Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Chemical Treatment/Addition
- Maintain Equipment
- Perform Safety and Security Procedures
- Plant Operation
- Regulations
- Reporting Requirements

SUBJECT OUTLINE FOR WASTEWATER TREATMENT PLANT OPERATORS –

Class A Wastewater Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Perform Administrative Duties
- Facility Management
- Math
- Secondary Processes
- Process Control
- Regulations

Class B Wastewater Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Disinfection
- Effluent Disposal
- Laboratory Sampling, Analysis & Interpretation
- Math
- Preliminary Treatment
- Solids Handling
- Nutrient Removal
- Regulations
- Perform Safety and Security Procedures
- Secondary Processes
- Taste and Odor Control

Class C Wastewater Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Disinfection
- Facilities & Collection Systems
- Laboratory Sampling, Analysis & Interpretation
- Maintenance
- Math
- Perform Safety and Security Procedures
- Primary Treatment
- Records & Reporting
- Regulations
- Secondary Processes
- Solids Handling

Class D Wastewater Treatment Plant Operators

Each examination item may be from one of the subject areas listed below:

- Disinfection
- Operate Equipment
- Package Plants & Disinfection
- Perform Safety and Security Procedures
- Regulations