

**ASSOCIATION OF BOARDS OF CERTIFICATION  
CONTINUING EDUCATION COURSE TOPIC GUIDELINES  
FOR WASTEWATER TREATMENT OPERATORS  
Effective January 1, 2009**

Continuing Education Topics	Approved for Wastewater Treatment Operators as Noted
<b>General</b>	
Basic Computers	X
Basic Electricity for Operators	X
Basic Hydraulics	X
Geographic Info Systems (GIS)	Not approved
Math for Operators	X
Water Chemistry	X
Water Microbiology	X
<b>Safety</b>	
Backhoe Operator	Not approved
Chlorine Safety	X
Confined Space	X
Electrical Hazards	X
Excavations, Trenching/Shoring/ Competent Person	Not approved
Hazard Communication/Right-to-Know	X
Lab Safety	X
Lockout/Tagout X	
Personal Protective Equipment / Respiratory Protection	X
Safe Handling of Materials	X
Spill Response	X
Traffic Control/Work Zone Safety	Not approved
Water & Blood-borne Pathogens	X
<b>O &amp; M Equipment</b>	
Aeration Equipment	X
Belt Filter presses	X
Blowers and Compressors	X
Booster Pumping Stations	Not approved
Centrifuges X	
Chemical Storage/Feed Systems	X
Cross Connection/Backflow Prevention Equipment	X
Electrical controls/SCADA	X
Flow Monitoring & Level Sensing Equipment	X
Generators/Switchgear X	

Hydraulic and Pneumatic Equipment	X
Instrumentation X	
Leak Detection	Not Approved
Cathodic Protection	Not Approved
Mechanical Process Equipment	X
Mixers	X
Motor Control Centers	X
Motors/Engines/Drives X	
Pipe, Valves, Fittings	X
Programmable Logic Controllers	X
Pumping/Lift Stations	X
Pumps	X
Stand-by/Aux/Support Equip	X
Variable Freq Drives	X
<b>WW Treatment Process/Quality Control</b>	
Advanced WW Treatment - Nutrient Removal	X
Attached Growth/Fixed Film Systems (Trickling Filters, RBCs)	X
Biosolids Disposal/Land Application/Incineration	X
Chemical Storage & Handling	X
Chemical Treatment	X
Coupled Systems: TF/AS, TF/SC	X
Disinfection/Deactivation X	
Effluent Discharge & Reuse	X
Fats, Oil and Grease Removal	X
Grit Removal	X
Influent/Sidestream Characterization	X
Membrane Processes: Membrane Bioreactors and Effluent Filtration	X
Natural Systems - Lagoons, Constructed Wetlands, etc.	X
Odor Control	X
Process Control Techniques	X
Process Optimization	X
Sampling/Analysis X	
Sand/Media Filters	X
Screens/Grinders/Comminutors X	
Sedimentation/Clarification X	
Septage Receiving and Treatment	X
Sludge Conditioning, Dewatering, Stabilization, and Reduction	X

Suspended Growth Systems (Act Sludge)	X
<b>WW Collection Process</b>	
Cleaning/Flushing & Pigging	Not approved
Corrosion Control	X
Flow Measurement: Open Channel & Pipe	X
Infiltration/Inflow/Exfiltration X	
Inspection & Condition Assessment	X
Manhole Rehabilitation	Not approved
Odor Control	X
Overflows and Bypass Control	X
Pumping/Lift Stations	X
Sampling & Lab Analysis	X
Service Lines & Connections	Not approved
Sources & Characteristics	X
Stormwater Separation	Not approved
Trenchless Technologies for Pipe Rehabilitation	Not approved
<b>Administration/ Management</b>	
Capacity, Management, Operation & Maintenance for Separate Systems	X
Compliance X	
Construction Inspection/ Documentation/ Design Build	Not approved
Community/Public Relations/Complaint Response	X
Design Manual Development	Not approved
Emergency Response Planning & Security Training	X
Energy Efficiency/ Energy Conservation at W/WW Facilities	X
Federal & State Financing Programs	X
Finance, Budget, Rate Setting	X
FOG Management Programs	X
Health and Safety Program Implementation	X
Industrial Pretreatment Programs/ Source Control	X
Legal Issues for W/WW Utilities	X
Records and Reports: Monitoring/Reporting/Records Management	X
Planning/Organization/Project Management	X
Plant Optimization: Contin Process Improve/Sustainability/Asset Management/Statistical Process Control Techniques	X
Private Property Issues/Service Laterals	Not Approved
Problem Solving/ Troubleshooting/Decision Making	X

Regs (CWA/SDWA, State & Local such as Operator Certification Requirements), NPDES Permit Requirements	X
Right-of-Way Management/Maintenance	Not Approved
Risk Management	X
Sanitary Surveys/plant/system inspections	X
Sewer Use Ordinances and Moratoriums	X
SSO/CSO Reduction/Elimination (Sanitary Sewer Overflow/ Combined Sewer Overflow)	X
Supervision and Personnel Management / Communication Skills	X
Surface Water/Groundwater/Watershed Protection	X
TMDLs	X
Training/Teaching Skills	Not Approved
Wet Weather Control Procedures	X

*X= approved for continuing education credit*