

<b>LIST OF APPROVED TRAINING COURSES FOR REPEATS AFTER 6 YEARS @ ½ CREDIT (For Operator Certificate Renewal Purposes Only):</b>				
<b>Basic Courses</b>			<b>CEU</b>	<b>Allowed CEUs</b>
101	Basic Wastewater		1.00	0.00
102	Electricity Review and Reading Electrical Diagram		1.00	0.00
103	Plant Safety		1.00	0.00
104	Wastewater Collection System		1.00	0.00
105	Wastewater Mathematics		2.00	0.00
106	Hazard Communication Program		0.50	0.00
108	NPDES and UIC		0.50	0.25
109	Train-the-Trainers		1.00	0.00
110	Pumping Stations		1.00	0.00
111	Introduction to Personal Computers and Windows		0.50	0.00
112	State Regulations Affecting Wastewater Treatment Plants		0.50	0.25
114	Confined Space		0.50	0.00
115	Blueprint Reading		0.50	0.00
116	Ultraviolet Disinfection		1.00	0.00
117	Utility Management		0.50	0.00
118	First Aid and CPR		0.50	0.00
<b>Intermediate Courses</b>				
201	Activated Sludge Process Control		1.00	0.50
202A	Certification Examination Refresher - Grades 1 & 2		0.5	0.00
202B	Certification Examination Refresher - Grades 3 & 4		0.5	0.00
204	Diesel Engines Operation and Maintenance		1.00	0.00
205	Equipment Operation: Heat Exchangers, Valves, and Lubrication		1.00	0.00
206	Instrumentation and Controls		1.00	0.50
207	Mechanical Maintenance Fundamentals for Operators: Measuring Instruments, Bolting & Fastening		1.00	0.00
208	Pumps: Operation and Maintenance		1.00	0.50
209	RBC, Trickling Filters and Stabilization Ponds		1.00	0.00
210	Sludge Handling, Sludge Thickening, Anaerobic and Aerobic Digestion, Dewatering		1.00	0.50
211	Troubleshooting Pumps		1.00	0.00
212A	Wastewater Facility Management Skill Training - Volume I		1.50	0.75
212B	Wastewater Facility Management Skill Training – Volume II		1.50	0.75
214	Waste Treatment Process: Community Wastewater Treatment, Pretreatment and Clarification		1.00	0.50
215	Plant Science		1.00	0.50
216	Wastewater Math I		1.00	0.00
217	Wastewater Math II		1.00	0.00
218	Wastewater Math III		0.8	0.00
219	Wastewater Math IV		0.8	0.00
250	Air Compressors and Blowers		1.00	0.00
251	Bearings and Lubrication, Packing and Seals		1.00	0.00
252	Gear Boxes, Mechanical Drives		1.00	0.00
253	Valves		1.00	0.00
254	Motorized Valve Actuator and Relief Valves		1.00	0.00
255	Vibration Analysis		1.00	0.00

256	Boiler Fundamentals and Basic Boiler System	1.00	0.00
257	Hydraulic Equipment, Coal and Ash Handling Equipment	1.00	0.00
258	Piping	1.00	0.00
<b>Intermediate Courses (Continued)</b>		<b>CEU</b>	<b>Allowable CEUs</b>
259	Advanced Pipe Fitting	1.00	0.00
260	Introduction to Hydraulic Systems and Pressure Controls	1.00	0.00
261	Fluids, Filters and Reservoirs, Pumps and Accumulators	1.00	0.50
262	Actuators, Troubleshooting Hydraulic System	1.00	0.50
263	Lifting and Rigging	1.00	0.00
264	Pneumatic Systems Course	1.00	0.50
265	Liquid Level Measurements, Pressure Gauge and Calibration	1.00	0.50
266	Recorders, Temperature and Temperature Measurements	1.00	0.00
267	Pneumatic Actuators, Positioners, and Pneumatic Control Equipment	1.00	0.50
268	Multi-Element Pneumatic Control Systems, Troubleshooting Pneumatic Instrument Systems	1.00	0.50
269	Reading Electrical Diagrams, Troubleshooting and Emergency Repair of AC Systems	1.00	0.00
270	Three-Phase AC Induction Motor Maintenance, AC Motor Controller Maintenance	1.00	0.00
271	Operational Amplifiers, Using Electronic Test Equipment	1.00	0.50
272	Transistor Principles, Transistor Amplifiers, Transistor Oscillators	1.00	0.00
275A	Mechanical Maintenance (Pumps and Gears)	1.00	0.00
275B	Mechanical Maintenance (Belts and Drives)	1.00	0.00
275c	Mechanical Maintenance (Bearing and Alignment)	1.00	0.00
276	Trickling Filters/Solids Contact	1.00	0.50
277	OSHA Process Safety Management	1.00	0.50
278	Industrial Hydraulic Technology (Topics 1 - 7)	1.00	0.00
278A	Industrial Hydraulic Technology (Topics 8 - 16)	1.00	0.00
<b>Advanced Courses</b>			
301	Activated Sludge Skills Training Course	2.00	1.00
302	Anaerobic Digestion Skills Training Course	1.00	0.50
303	Chlorination Skills Training Course	1.00	0.00
304	Low and Medium Voltage Motor, Controls and Starters (Special Course)	1.00	0.00
306	Process Control Laboratory Course	2.00	1.00
307	Sludge Conditioning, Thickening, and Dewatering Skill Training Course	3.00	1.50
308	Wastewater Stabilization Ponds	1.00	0.00
310	Activated Sludge Microbiology Workshop	0.50	0.25
312	Advanced Laboratory Course	2.00	1.00
314	Laboratory for Manager and Supervisors	1.00	0.50
315	Biological Nutrient Removal	1.00	0.50
316	Clarifier Optimization	1.00	0.50
317	Fundamentals of Biology and Chemistry	1.00	0.50