

ABC Water& Wastewater Treatment	
W-WWT Std.	Description
W-WWT Std. - 1	Perform administrative duties, such as complying with regulatory and record keeping requirements.
W-WWT Std. - 2	Collect samples and interpret analysis for alkalinity, chlorine demand, chlorine residual, fluoride concentration, pH, turbidity, etc.
W-WWT Std. - 3	Comply with Code of Federal Regulations, Title 40, Part 141-National Primary Drinking Water Regulations
W-WWT Std. - 4	Perform mathematical calculations related to evaluating equipment, such as calculating pressure head.
W-WWT Std. - 5	Evaluate bacteriological, biological, chemical and physical characteristics of source water.
W-WWT Std. - 6	Perform plant process control laboratory analysis for chlorine demand, chlorine residual, fluoride concentration, pH, settleable solids, etc
W-WWT Std. - 7	Perform mathematical calculations such as area and volume
W-WWT Std. - 8	Maintain chemical feeders, motors, pumps, valves, etc.
W-WWT Std. - 9	Perform mathematical calculations related to fluoridation, disinfection, pH adjustment and corrosion control.
W-WWT Std. - 10	Monitor, evaluate and adjust fluoridation, disinfection, and pH adjustment and corrosion control.
W-WWT Std. - 11	Monitor, evaluate and adjust gravity/rapid sand filtration, membrane filtration, direct filtration, slow sand filtration, etc.
W-WWT Std. - 12	Monitor, evaluate and adjust aeration, ion exchange softening, copper sulfate treatment, granular activated carbon, etc.
W-WWT Std. - 13	Perform mathematical calculations related to discharge to lagoons, onsite disposal, solids composting, etc.
W-WWT Std. - 14	Monitor, evaluate and adjust discharge to lagoons, on-site disposal, solids composting, etc.
W-WWT Std. - 15	Perform mathematical calculations such as flow measurement.
W-WWT Std. - 16	Operate support equipment, such as blowers, chemical feeders, motors, pumps and valves.
W-WWT Std. - 17	Perform security and safety procedures, such as confined space entry, lock-out/tag-out, PPE.
W-WWT Std. - 18	Perform security procedures related to emergency preparedness.
W-WWT Std. - 19	Perform mathematical calculations related to color, flow pattern, foam, odor, temperature, volume, solids concentration and mixing pattern of wastestream.
W-WWT Std. - 20	Inspect equipment and read charts, meters and pressure gauges.
W-WWT Std. - 21	Evaluate color, flow pattern, foam, odor, temperature, volume, solids concentration and mixing pattern of wastestream.
W-WWT Std. - 22	Interpret results for BOD, chlorine residual, dissolved oxygen, pH, solids, etc.
W-WWT Std. - 23	Monitor, evaluate and adjust dry, gaseous and liquid chemicals
W-WWT Std. - 24	Perform mathematical calculations related to chlorination, dechlorination, ultraviolet irradiation and ozonation.
W-WWT Std. - 25	Monitor, evaluate and adjust plant pumping of main flow, screening, grit removal and flow equalization.
W-WWT Std. - 26	Monitor, evaluate and adjust clarifiers.
W-WWT Std. - 27	Monitor, evaluate and adjust fixed-film reactors, activated sludge and stabilization ponds.

W-WWT Std. - 28	Monitor, evaluate and adjust conditioning, dewatering, stabilization, thickening and volume reduction.
W-WWT Std. - 29	Monitor, evaluate and adjust carbon adsorption, air stripping, chemical coagulation, precipitation, nitrification, denitrification, phosphorus removal, etc.
W-WWT Std. - 30	Perform mathematical calculations for operating equipment, such as detention time, dosage, efficiency, feed rate and pumping.
W-WWT Std. - 31	Perform laboratory analysis for alkalinity, chlorine residual, dissolved oxygen, pH, settleability testing, solids, temperature, turbidity, etc.