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20.7.4.15 Minimum Number of Certified Operators

A. The following tables indicate the minimum number of certified operators required to operate a public wastewater facility or public water supply system. Certified operators may be responsible for operation of multiple treatment processes within a public wastewater facility or public water supply system.

(1) Public wastewater facilities:

Type of Treatment Process	Design Capacity					
	<0.4 MGD	>0.4 – 1.2< MGD	>1.2 – 2.4< MGD	>2.4 – 4.8< MGD	>4.8 – 9.6< MGD	>9.6* MGD
Raw wastewater lagoons	1	1	1	1	1	2
Aerated lagoons	1	1	1	1	2	3
Primary treatment	1	1	1	1	2	3
Primary treatment and oxidation ponds	1	1	1	1	2	3
Secondary treatment, trickling filter	1	1	1	2	2	4
Secondary treatment, aeration	1	1	1	2	2	4
Physical-chemical treatment processes	1	1	1	2	2	4
Advanced waste treatment process	1	1	1	2	2	4
Phosphorous and nitrogen removal	1	1	1	2	2	4
Chlorine Gas Disinfection	2	2	2	3	3	4

Type of Collection System	Design Capacity					
	<0.4 MGD	>0.4 – 1.2< MGD	>1.2 – 2.4< MGD	>2.4 – 4.8< MGD	>4.8 – 9.6< MGD	>9.6* MGD
Gravity Flow	1	1	1	2	2	2
Vacuum System	1	1	1	2	2	2

(2) Public water supply systems:

Type of Treatment Process	Design Capacity					
	<2.3 MGD	>2.3 – 4.5< MGD	>4.5 – 9.0< MGD	>9.0 – 18.0< MGD	>18.0 – 32.0< MGD	>32.0* MGD
Filtration (sand, gravity)	1	1	2	2	3	5
Coagulation, sedimentation, filtration	1	1	2	2	3	5
Chemical precipitation (Mn, Fe, softening)	1	1	2	2	3	5
Aeration	1	1	2	2	4	5
Odor and taste control (activated carbon)	1	1	2	2	4	6
Chemical addition (stabilization)	1	1	2	2	4	6
Pressure filtration	1	1	2	2	4	6
Ion exchange (softening, defluoridation)	1	1	2	2	4	6
Chlorination	1	1	2	2	4	6
Fluoridation	1	1	2	2	4	6
Arsenic removal	1	1	2	2	4	6
Radionuclide removal	2	3	3	3	5	6
Special, such as desalinization	1	1	2	2	4	5
Production, ground water only	1	1	2	2	4	5
Filtration (sand, gravity)	1	1	2	2	4	6
Coagulation, sedimentation, filtration	1	1	2	2	4	6

Type of Distribution System	Design Capacity					
	<2.3 MGD	>2.3 – 4.5< MGD	>4.5 – 9.0< MGD	>9.0 – 18.0< MGD	>18.0 – 32.0< MGD	>32.0* MGD
Distribution of treated surface water	1	1	1	1	2	4
Distribution of chlorinated groundwater	1	1	1	1	2	4
Distribution of unchlorinated groundwater	1	1	1	1	2	4

B. The Department may adjust the number of certified operators necessary to ensure a public wastewater facility or public water supply system complies with this part and the act.

C. A public wastewater facility or public water supply system may petition the Department to adjust the number of certified operators required under paragraph A of this Section.

* Any design capacity that exceeds 9.6 MGD for public wastewater facilities and/or 32.0 MGD for public water supply systems, minimum number of operators will be determined by the department.

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