

**Massachusetts Wastewater
Treatment and Industrial Waste
Exam References**

Subject	Manual	Reference
Activated Sludge	Operation of Wastewater Treatment Plants, Vol. I	Ch. 8
	Operation of Wastewater Treatment Plants, Vol. II	Ch. 11
Adsorption	Advanced Waste Treatment	Ch. 4
Advanced Treatment	Industrial Waste Treatment, Vol. II	Ch. 5
	Advanced Waste Treatment	Ch. 5-8
Aeration	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4 & 8
Characteristics	Operation of Wastewater Treatment Plants, Vol. I	Ch. 2
Chemical Addition	Operation of Wastewater Treatment Plants, Vol. I	Ch. 10
Chemical Feeders	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Chemical Pretreatment	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
	Industrial Waste Treatment, Vol. I	Ch. 7
Chemical Treatment	Industrial Waste Treatment, Vol. I	Ch. 8
	Treatment of Metal Wastestreams	Ch. 5
Clarification	Operation of Wastewater Treatment Plants, Vol. I	Ch. 5
Coagulation/Flocculation	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
	Industrial Waste Treatment	Ch. 6
Common Parameters	Operation of Wastewater Treatment Plants, Vol. I	Ch. 3
Compliance	Operation of Wastewater Treatment Plants, Vol. II	Ch. 13 & 19
	Industrial Waste Treatment, Vol. I	Ch. 3
Compressors	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Control Systems	Advanced Waste Treatment	Ch. 8
Coordinate	Utility Management	Ch. 4
Direct and Control	Utility Management	Ch. 5
Disinfection	Operation of Wastewater Treatment Plants, Vol. I	Ch. 10
Effluent Disposal	Operation of Wastewater Treatment Plants, Vol. II	Ch. 13
Electrical Concepts	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Electrical Equipment	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Electrodialysis	Treatment of Metal Wastestreams	Lesson 2
Emergency Response	Utility Management	Ch. 11
Engines	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Equipment	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Filtration	Advanced Waste Treatment	Ch. 4
	Industrial Waste Treatment, Vol. I	Ch. 9
Finances	Utility Management	Ch. 9
Flocculation	Advanced Waste Treatment	Ch. 4
Flow Equalization	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
	Industrial Waste Treatment, Vol. I	Ch. 7
Flow Measurement	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
	Industrial Waste Treatment, Vol. I	Ch. 6
Goals	Operation of Wastewater Treatment Plants, Vol. I	Ch. 2
Hydraulic Concepts	Operation of Wastewater Treatment Plants, Vol. I and II	Appendix
Incineration	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
	Advanced Waste Treatment	Ch. 3
Industrial Pretreatment	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
	Industrial Waste Treatment, Vol. I	Ch. 8
Ion Exchange	Treatment of Metal Wastestreams	Lesson 2
Laboratory	Operation of Wastewater Treatment Plants, Vol. II	Ch. 16
Maintenance	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
	Industrial Waste Treatment, Vol. II	Ch. 8
Math	Operation of Wastewater Treatment Plants, Vol. I and II	Appendix
Measuring and Control	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Mechanical Equipment	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Microscreens	Advanced Waste Treatments	Ch. 4

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Subject	Manual	Reference
Neutralization	Treatment of Metal Wastestreams Industrial Waste Treatment, Vol. I	Lesson 2 Ch. 11
Nitrogen Removal	Advanced Waste Treatment	Ch. 6
Oil Separation	Treatment of Metal Wastestreams	Lesson 2
Personnel	Utility Management	Ch. 5
Planning	Utility Management	Ch. 3
Plumbing	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Preliminary Treatment	Industrial Waste Treatment, Vol. I	Ch. 7
	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
Pretreatment	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
	Industrial Waste Treatment, Vol. I	Ch. 8
Primary Treatment	Operation of Wastewater Treatment Plants, Vol. I	Ch. 5
Process Control	Operation of Wastewater Treatment Plants, Vol. II	Appendix
	Industrial Waste Treatment, Vol. II	
Pumps	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
RBC	Operation of Wastewater Treatment Plants, Vol. I	Ch. 7
	Industrial Waste Treatment, Vol. II	Ch. 2
Rules and Regulations	Operation of Wastewater Treatment Plants, Vol. II	Ch. 13 & 19
	Industrial Waste Treatment, Vol. I	Ch. 3
Safety	Operation of Wastewater Treatment Plants, Vol. II	Ch. 14
	Industrial Waste Treatment, Vol. I	Ch. 2
Science	Operation of Wastewater Treatment Plants, Vol. I & II	Appendix
Screening	Operation of Wastewater Treatment Plants, Vol. I	Ch. 4
Secondary Treatment	Operation of Wastewater Treatment Plants, Vol. I	Ch. 8
Security	Utility Management	Ch. 11
Sedimentation	Operation of Wastewater Treatment Plants, Vol. I	Ch. 5
Sludge Conditioning	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
	Advanced Waste Treatment	Ch. 3
Sludge Dewatering	Advanced Waste Treatment	Ch. 3
Sludge Digestion	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
Sludge Incineration	Advanced Waste Treatment	Ch. 3
Sludge Thickening	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
	Advanced Waste Treatment	Ch. 3
Sludge Treatment & Disposal	Treatment of Metal Wastestreams	Ch. 6
Solids Disposal	Advanced Waste Treatment	Ch. 3
Solids Handling	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
Solids Removal	Advanced Waste Treatment	Ch. 4
Sources	Operation of Wastewater Treatment Plants, Vol. I	Ch. 2
	Treatment of Metal Wastestreams	Ch. 2
Temperature Reduction	Operation of Wastewater Treatment Plants, Vol. II	Ch. 12
Trickling Filters	Operation of Wastewater Treatment Plants, Vol. I	Ch. 6
	Industrial Waste Treatment, Vol. II	Ch. 2
Valves	Operation of Wastewater Treatment Plants, Vol. II	Ch. 15
Waste Stabilization Ponds	Operation of Wastewater Treatment Plants, Vol. I	Ch. 9

**Reference Materials
can be obtained from:**

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916-278-6142
<http://www.owp.csus.edu>