

Recommendations for Training & Reference Materials for Wastewater Certification Exams

Certification Exam	PA DEP Training Modules Web link: Wastewater Modules	Other Commonly Used Resources*	Additional Reference Resources
Part 1 WW General Exam	Mod 1: Intro to WW Treatment Mod 4: Fundamentals of WW Treatment Mod 5: Disinfection and Chlorination Mod 6: Solids Handling and Disposal Mod 7: Basics of Chem Feed Systems Mod 9: Basics of Pumps & Motors Mod 11: Treatment Plant Maintenance Mod 12: WW Lab Basics Mod 13: Administration of WWTP Mod 25: Intro to Flowmeters Mod 28: Basic Math Mod 29: Gen Chemistry for W & WW Mod 30: Safety	California State University, Sacramento Operation of Wastewater Treatment Plants, Volume I and II Web link: CSUS OWP Water Environment Federation Books and Study Guides Web link: Books & Study Guides (wef.org)	Web links: <ul style="list-style-type: none"> • ABC Sample Exam Questions • Cram.com WEF Practice Exams (use multiple choice and “front of card is prompt”) • M&M I-Practice
Subclass 1 Activated Sludge	Mod 6: Solids Handling and Disposal Mod 8: Overview of Advanced WWT Processes Mod 12: WW Lab Basics Mod 15: AS Process Part I Mod 16: AS Process Part II Mod 17: AS Process Part III Mod 18: AS Process Part IV Mod 30: Safety	California State University, Sacramento Operation of Wastewater Treatment Plants, Web link: CSUS OWP Water Environment Federation Books and Study Guides Web link: Books & Study Guides (wef.org)	Web links: <ul style="list-style-type: none"> • ROYCEU • Wastewater Instructional Videos <p style="text-align: center;">The above referenced websites are applicable.</p>
Subclass 2 Fixed-film	Mod 20: Tricking Filter Process Mod 21: Rotating Biological Contactors Mod 30: Safety	California State University, Sacramento Operation of Wastewater Treatment Plants Web link: CSUS OWP	The above referenced websites are applicable.
Subclass 3 Treatment Ponds and Lagoons	Mod 19: Ponds and Lagoons Mod 30: Safety	California State University, Sacramento Operation of Wastewater Treatment Plants Web link: CSUS OWP	The above referenced websites are applicable.

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Subclass 5 Laboratory Supervisor	Mod 31: Lab Supervisor Highlights	California State University, Sacramento Web link: CSUS OWP	Code of Federal Regulations, Title 40, Part 136 Standard Methods for the Examination of Water and Wastewater
Class E, Subclass 4 Collection Systems	Mod 1: Intro to WW Trmnt – Unit 2 and Unit 4 Mod 9: Basics of Pumps & Hydraulics Mod 11: Treatment Plant Maintenance Mod 22: Industrial Pretreatment Mod 23: Collection Systems Part I Mod 24: Collection Systems Part II Mod 25: Intro to Flowmeters Mod 28: Basic Math Mod 30: Safety	California State University, Sacramento Operation and Maintenance of Wastewater Collection Systems, Vol. I and II Web link: CSUS OWP Water Environment Federation/ABC Collection System Operators' Guide to Preparing for the Certification Exam Web link: Books & Study Guides (wef.org)	Web links: <ul style="list-style-type: none"> • Sewergeek • M&M I-Practice Collection

* The PA DEP does not endorse one vendor over another. These are commonly used resources available to operators. More may be found on the web and/or at your local library.