



Fifty Rules of Treatment Webinar Description

Water and wastewater treatment systems do not operate by guesswork—they operate by fundamental physical, chemical, biological, and operational principles. When those principles are understood and applied, systems run efficiently and reliably. When they are ignored or misunderstood, problems become persistent, costly, and often impossible to fully correct. This course presents the core “laws” of treatment that govern performance across all types of systems—municipal and industrial alike. Participants will explore how hydraulics, settling, chemistry, biology, and operational practices interact to determine outcomes such as effluent quality, process stability, and overall plant efficiency.

Beyond theory, the course emphasizes practical application. Topics include understanding permits as enforceable performance contracts, recognizing the limitations of poor design, applying key concepts such as Stokes’ Law and solubility relationships, and avoiding common operational pitfalls like treating symptoms instead of root causes. Participants will also learn the importance of documentation, maintenance, cost awareness, and the proper role of automation in modern facilities.

Drawing on decades of real-world troubleshooting experience, this course demonstrates how these principles apply universally—regardless of treatment process or facility type. Attendees will leave with a stronger ability to diagnose problems, make informed decisions, and operate their systems with greater confidence and consistency.