



Lab School for Water Operators Agenda

EGL E course#3240 – up to 0.6

Attn students: please confirm methods of testing your water system currently uses during registration. All methods will be touched on during class. Also, please wear closed-toe shoes, long pants, and no loose/flowing sleeves to class for your personal safety.

8:00 AM – 8:30 AM	Introductions and Pre-Test
8:30 AM – 9:00 AM	Intro to the Water Lab <i>Overview of equipment in a typical water lab</i>
9:00 AM – 10:15 AM	Compliance and Administration of Labs <i>Discuss quality control, reading a lab report, how to keep proper records, discussion on the ethics involved in sample testing and reporting, regulatory resources</i>
10:15 AM – 10:30 AM	BREAK
10:30 AM – 12:00 PM	Microbiology Testing Methods and Sampling <i>Review of rules and regulations followed by a deep dive into sampling procedures and testing methods for water microbiology tests typically run in a water lab</i> <ul style="list-style-type: none">• <i>Coliform test - will set up, learning the technique; also, will have results to read</i>• <i>Plate count - will set up, learning the technique; also, will have results to read</i>
12:00 PM – 12:30 PM	LUNCH
12:30 PM – 1:15 PM	Intro to Chemistry Tests <i>A deep dive into sampling procedures and testing methods for critical water chemistry tests typically run in a water lab</i>
1:15 PM – 1:30 PM	BREAK
1:15 PM – 2:15 PM	Lab II <i>Chlorine test Turbidity test Titration test Fluoride test, if time allows</i>
2:15 PM – 2:30 PM	BREAK
2:30 PM – 3:30 PM	Review concepts <i>Review all course material and discuss the specific challenges learners faced with the class and the expected future challenges</i>
3:30 PM – 4:00 PM	Q & A, Discussion, and Post-Test
4:00 PM	ADJOURN