

# Lab School for Water Operators Agenda

*EGLC course#3240 – waiting for CECs and agenda approval*

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.

## DAY ONE

|                     |  |
|---------------------|--|
| 8:00 AM – 8:30 AM   | Introductions and Pre-Test   |
| 8:30 AM – 9:00 AM   | Intro to the Water Lab<br><i>Overview of equipment in a typical water lab</i>  |
| 9:00 AM – 10:15 AM  | Compliance and Administration of Labs<br><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<br><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"><li>• Coliform test - will set up, learning the technique; also, will have results to read</li><li>• Plate count - will set up, learning the technique; also, will have results to read</li></ul> |
| 12:00 PM – 12:30 PM | LUNCH  |
| 12:30 PM – 1:15 PM  | Intro to Chemistry Tests<br><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<br><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<br><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  |