

Troubleshooting Activated Sludge Operations 7-hour workshop

Troubleshooting Activated Sludge – 2 hrs

- Floc Formation Problems – pin floc, straggler floc, dispersed growth
- Slime Bulking and Foaming – causes, cures
- Rising sludge/Denitrification
- Foaming
- Filamentous problems – symptoms, causes, cures (short-term/long term)

Break

Selectors and Step Feed – 1 hr

- Advantages and disadvantages of using
- Evaluating performance

Microscopic Evaluation of Activated Sludge – 1.5 hr

- Floc Formation
- Protozoa Identification
- Filament Identification Techniques

Lunch

Operating Secondary Clarifiers – 1 hrs

- Controlling blankets and inventory
- Clarifier State Point Analysis

Developing Troubleshooting Charts – 1.5 hr

- High Sludge Blankets
- High SVI
- High Effluent TSS

Question & Answers, Discussion of Problems