Professional Training Association

“Overview of the Activated Sludge Process”

ONLINE Workshop

The activated sludge process utilizes aeration and biological floc composed of microorganisms to treat sanitary and industrial wastewater. This process is applied in a wide variety of systems including conventional activated sludge treatment plants, oxidation ditches, sequencing batch reactors, and package plants.

This “**Overview of the Activated Sludge Process”** workshop will explain the basic principles and physical, microbiological, and chemical processes applied in the activated sludge treatment process. We will:

- explain the terminology, treatment conditions, and challenges commonly found in the wastewater industry
- discuss the components and equipment commonly used in activated sludge systems and explain their functions

- describe the microbiological and chemical processes taking place in the activated sludge treatment process
- explore process control parameters commonly monitored in activated sludge operations
- examine strategies for operating varies treatment designs and modes applying variations of the conventional activated sludge process
- share tips for troubleshooting your treatment system