



## **Interactive Learning Session On “Challenges In Boiler Water Treatment And Cooling Water Treatment”**

**Expert Speaker:- Mr. Ahmed Parkar (Industrial Water Auditor and Water Treatment Specialist)**

**Date:- 13<sup>th</sup> May 2021, Thursday | Time: 3:30 PM | Duration: 1 Hr. 30 Min.**

### **About Session : -**

When water goes into industrial process cooling and steam generation application it may lead to various problems. Depending upon of each application and the relevant system dynamics & system parameters this water needs to be appropriately treated to ensure that the systems operate optimally without unnecessary dissipation of Water and Energy. Operating processes / systems needs to be protected against various problems and down times needs to be reduced so that production losses are avoided. Many a times the Industries have to face water Shortage problems and have to rely on poor quality of water resources such as water supplied through tankers which tend to aggravate the situation and the problems need to be handled in accordance with each situation on case to case basis.

### **Coverage:-**

In this learning session a general coverage will be given to Boiler and Cooling Water Treatment, Water Quality - Impurities and Make-up Water Treatment depending upon its usage / application whether for Cooling System Operation or for Boiler Operation (Low, Medium or High Pressure Boilers)

The session will also cover problems that encounter in Cooling Water Systems and Boiler Water Systems even after the make-up water is treated and relevant treatment programs and monitoring are followed. This session will enable to understand the water and energy losses due to water side Problems and how to operate system optimally with efficient monitoring of treatment Program to avoid unexpected / unscheduled shut downs (down times) which leads to production or comfort loss.

### **Speaker Profile :-**

**Mr. Ahmed Parkar** is Chemistry Graduate and a Mechanical Engineer, trained by Drew Chemical Corporation USA and Nalco Italiana; the world's well known Water Treatment Companies.

Mr. Parker is having about 45 years experience in the field and an extensive hands on experience in larger sector of Industries in Middle Eastern Region and Indian continent. He has travelled across, Kuwait, Jordan, UAE, Iraq, East Africa, Italy, Luxemburg, France, Czech Republic for conducting many Water Audits for Industries as well as for consultancy assignments.

### **Key Learnings' :-**

- What is PPM and Different Type of Impurities
- What is C.O.C (Cycles of Concentration)
- What are Different Chemical Treatment Programs for Boilers operating at low, Medium and High pressure
- What is Blow down and Automatic Bleed and Feed System
- What is Side Stream Filter and How it Benefits
- How to Understand Water and Energy Losses and Control these.
- How Silica causes Problems in Cooling System and in Boiler Water Systems.