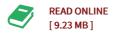# Steam Surface Condenser: Basic Principles, Performance Monitoring and Maintenance (Hardback)

By Richard E. Putman

American Society of Mechanical Engineers,U.S., United States, 2002. Hardback. Book Condition: New. 234 x 157 mm. Language: English . Brand New Book. This volume is a comprehensive presentation of analytical theory and real-world practical solutions. It clearly illustrates updated approaches that plant managers and performance engineers can use in judging condenser performance and in making maintenance decisions. The author examines current methods for modeling, diagnosing and improving condenser performance. He describes how to calculate heat transfer coefficients, provides details of the new ASME Power Test Code PTC 12.2-1998, and explains the significance of heat transfer coefficients in measuring the overall performance of an operating condenser. Further discussion includes condenser cleaning schedules that save money and reduce CO_2 emissions, diagnostic methods that help unit operators pinpoint problem areas, monitoring techniques that help predict the onset of tube fouling and deposit accumulation, and proper methods of tube plugging. New topic areas are also explored: assigning a dollar amount and excess carbon emissions to condenser fouling; methods for estimating cooling water flow rate; and performance analysis for multicompartment condensers. Contents Include: Basic Principles Condenser Performance Monitoring Condenser Performance Modeling Model of Turbine Low Pressure Stage and Estimation of Condenser Duty Interactive Model of...

READ ONLINE
[9.23 MB]

Reviews

Very beneficial to all of class of people. I am quite late in start reading this one, but better then never. You may like just how the writer create this publication.
-- Audra Klocko PhD

Thorough information! Its this type of great go through. It is amongst the most incredible publication i actually have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Germaine Welch