

عنوان مقاله:

Consideration and Simulation the Behavior of Combined Cycle Power Plant

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خلاصه مقاله:

In this paper we consider and simulation the behavior of a dual-pressure bottoming system for the combined cycle power plant. In order to set up a comprehensive model to represent the system effectively, unsteady one dimensional conservation equations for each component are introduced. Controls over water level and turbine power are also incorporated in the simulation process. Two types of the bottoming cycle operation are simulated: a pure sliding-pressure operation and a modified operation. Variations in the main operating parameters for both low and high pressure levels are examined, and the transient characteristics of two operations are compared to another

کلمات کلیدی:

combined cycle power plant, evaporator mass flows, simulation, HRSG, dual-pressure bottoming

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