

Abstract

Provided are a heat recovery boiler system control device, a heat recovery boiler system control method, and a program, which are capable of monitoring a corrosion state in real time and suppressing corrosion. A control device according to the present disclosure comprises: an acquisition unit that acquires a first measured value indicative of measurement data of an ultrasonic sensor and a second measured value indicative of measurement data of a two-electrode sensor; an estimation unit that, on the basis of at least one of the first measured value and the second measured value, estimates at least one of a thinning amount of a probe and melting of adhering ash on the probe; a determination unit that, on the basis of the result of the estimation by the estimation unit, determines an operation command for a process with respect to the adhering ash; and an operation control unit that, on the basis of the result of the determination by the determination unit, performs operation control on at least one of a water jetting device which decreases a gas temperature and an ash removal device which removes the adhering ash, as processes with respect to the thinning and the adhering ash.