ON-STREAM MONITORING OF A TREATING AGENT IN A COOLING WATER SYSTEM

ABSTRACT

Method of determining treating agent concentration added to a water recirculating system to enhance efficiency by inhibiting scaling or corrosion or settling of particulates; the treating agent bears an amine-containing fluorescent moiety tag covalently bonded thereto, allowing sample analysis for emissivity as a measure of concentration equatable to the performance of treating agent in the system; by simultaneously employing an inert fluorescent tracer equated to the original (ppm) dosage of treating agent, consumption of the treating agent may be determined by emissivity differences equated to the original dosage.

[No drawing]