

ABNORMALITY DIAGNOSIS SYSTEM FOR WATER TREATMENT PLANT AND
ABNORMALITY DIAGNOSIS METHOD FOR WATER TREATMENT PLANT

ABSTRACT

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An abnormality diagnosis system (1000) includes: a measurement value collection unit (101) which collects plural kinds of measurement values in a water treatment process; a measurement value DB (102) in which the measurement values
10 collected by the measurement value collection unit (101) are accumulated; an abnormality detection unit (103) which determines whether an abnormality has occurred in the water treatment plant, on the basis of an abnormality degree calculated from the measurement values; a determination
15 information storage unit (105) which stores determination clustering information (CLM) indicating a relationship between abnormality degrees and abnormality modes; and an abnormality mode determination unit (106) which, when it is determined that the abnormality has occurred, compares the
20 abnormality degree calculated by the abnormality detection unit (103) with the determination clustering information (CLM), to determine the abnormality mode of the occurring abnormality. The abnormality mode is associated with a severity for the water treatment plant.

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Figure 1