

## 多項目分析装置の浄化槽放流水への応用

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### 概 要

浄化槽の適正な水質管理を行うには、より正確で効率的な水質情報を多く得ることが必要である。そこで、pH、塩素イオンおよびアンモニア性窒素の3項目を測定できる多項目分析装置の導入にあたり、その測定精度および検査効率等について検討した。その結果は次のようにまとめられる。

各測定項目の定量限界は、それぞれの公定法を満足する結果であった。また、繰返し精度や安定性についてもJIS等の性能基準を満たしていた。従来法との測定値の相関係数は0.99であり、その差は認められなかった。さらに、検査員の拘束時間が少なく大幅な省力化が可能になった。

# Application of a Multi-item Analyzer to Discharged Water of Johkasou

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## Abstract

In order to carry out the proper control of water quality in johkasou, it is necessary to obtain much information on the water quality, which is more accurate and efficient. Therefore, when a multi-item analyzer which can measure three items of pH, chloride ion and ammoniacal nitrogen was introduced, the accuracy of their measurements, the inspection efficiency and others were investigated. The results are summarized as follows.

The limits of quantitative determinations of respective measurement items were the results that satisfied respective official regulations. Also as to the repeatability and stability, the standard of the performance of JIS and others have been satisfied. The coefficient of correlation with the values measured by the conventional method was 0.99, and the difference was not recognized.

Further, the time of binding inspectors is little, and the large saving of labor has become possible.

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