

### 太湖流域农村生活源产排污系数测算的相关方法及问题分析

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Methods for Measuring and Calculating of Rural Domestic Waste Generation and Discharge Coefficients in Taihu Lake Basin and Related Problems

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**摘要** 以第1次全国污染源普查为背景,针对太湖流域农村生活源产排污系数测算过程中监测点的设置、监测采样和数据分析等问题进行重点分析。基于自然环境分区与经济收入水平分级和突出重点、合理布局的原则设置太湖上游监测点,划分6个类型区共计15个监测点位,分有下水和无下水农户2种情况进行监测点建设;具体分析了农村生活污水和生活垃圾的采样步骤,并设计了生活污水、垃圾现场采样记录表,以利于数据记录和分析处理的标准化;依据Grubbs准则和Dixon准则进行监测数据结果的数理统计,选取Grubbs准则进行监测数据最大值或最小值的异常值检验。

**关键词:** 太湖流域 农村生活污染 产排污系数 测算

**Abstract:** Based on the findings of the first national pollution investigation, issues, like arrangement of monitoring postpoints, sampling for monitoring and data analysis in measuring and calculating rural domestic waste generation and discharge coefficients in the Taihu Lake regionbasin were analyzed in depth. By following the principles of taking into consideration of natural environment zoning and economic income grading, and distributing the monitoring points rationally with stress on key points, a total of 15 monitoring points were set up for two categories of farmer households, with and without sewage system in 6 regions different in type. Steps for sampling of rural domestic waste were analyzed specifically and record forms for the sampling were designed to facilitate standardization of data entry, analysis and processing. Monitoring data were processed for mathematic statistics in line with the Grubbs norm and Dixon norm. Abnormal values, like maximum or minimum values, were verified with the Grubbs norm.

**Keywords:** Taihu Lake basin rural domestic pollution generation and discharge coefficients measuring and calculation

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