

# **Establishment and Implementation of Source Water Implementation Plan for Water Treatment Plants in Taiwan**

張怡怡

**Chang EE;Lin YL;Chiang PC**

摘要.

## **Abstract**

In accordance with the source water implementation plan rule (SWIPR) in Taiwan, water treatment plants (WTPs) with source water parameters exceeding the source water quality standards are required to submit a source water implementation plan to improve the source water and drinking water quality. In this study, the SWIPR was analyzed, and the concept of comprehensive performance evaluation (CPE) was applied for upgrading the performance of WTPs. Three WTPs [Da-Nan WTP (Type 1), Liu-Du WTP (Type 2), and Chen-Chin-Lake WTP (Type 3)] were selected as demonstration projects. A CPE team was established to evaluate the operations of these WTPs and make recommendations for improving the performance of the WTPs to achieve the drinking water standards. This paper describes the analysis and recommendations of the CPE team.