

Countermeasures to further improve the supervision of water intake in Yunnan Province under the new situation

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Objectives

In order to ensure the sustainable development and utilization of water resources and further standardize the water intake behavior, Yunnan Province has actively promoted the special water intake management and rectification action in 2021. Through field investigation and collection of data, Yunnan Province has verified and registered 4,258 water intake projects related to the Pearl River Basin and 2,240 projects requiring rectification. The water intake projects account for 52.6% of the total. The problems reflected in the verification and registration of water intake projects are the key problems that need to be further studied and solved in the next step of water resources management.

Methods

Based on the special remediation action of water intake management in our province and the actual situation of water resources management, this paper further analyzes the problems of water intake projects in our province, such as water intake without approval, monitoring and metering facilities without installation, nonstandard management of monitoring and metering facilities for water intake, aging infrastructure for agricultural irrigation, nonstandard management of planned water use, the causes of problems such as not taking water according to the specified conditions, and the outstanding problems in the supervision practice are summarized and analyzed. It proposed some countermeasures and suggestions to revise and improve the management methods of water intake permits and water resource fee collection in Yunnan Province, strengthen the examination and approval of water intake permits, improve the capacity of water intake measurement and monitoring, promote the reform of agricultural water prices, promote water conservation in irrigation areas, and strictly implement the system of planned water use. We will speed up the establishment of a clear-cut, fair, just, scientific and efficient system for monitoring water intake permits after events, further implement regulatory responsibilities, improve regulatory rules, innovate regulatory methods, and improve regulatory efficiency.

Conclusions

It can provide reference for further consummating water intake permit system and standardizing water intake permit management.