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## The new orientation of discharge permit system in the environmental management system

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The discharge permit system has been implemented for more than 20 years in China. Although some rules of discharge permit system can be found in laws and administrative rules and regulations, the discharge permit system has just been carried out as a pilot policy in some provinces. The discharge permit system only serves as a complementary measure of emissions reporting, registration system and total amount control system, while its important position in pollution management policies is still unclear. In fact, it can reduce the transaction cost by defining the property rights, to solve the problems of “free riders” and externalities in the first place. However, the pollution prevention system in China mostly works at a certain stage, with the lack of cohesion and connection. To problems existing in the environmental management, we should take advantage of the discharge permit system, and integrate the current environmental management system. The goal of atmospheric administration is: better air quality, better public health, better public welfare, and better production capacity. To achieve this goal, we not only need to control total emissions, but also need to build continuously emission standards. Through the establishment of the atmospheric emission permit system, some of existing loose jumbled, high cost, inefficient management policies can be integrated together, which can benefit the improvement of the air quality, the reduction of the management cost and the increase of the management efficiency. The discharge permit system was first implemented in Sweden, after years of practice, its role in environmental management gains recognition. The discharge permit system in developed countries gradually became the pillar of pollution prevention, and became more institutionalized and normalized. The discharge permit system in China was first implemented in 1987, but our country doesn't have a law of discharge permit system until now, and we have a certain gap with USA, Germany in emissions trading.

### Biography

Zhao Ruonan has completed her Master's Degree from Renmin University of China and now is studying for PhD. She is working in Chinese Research Academy of Environmental Sciences, and is an Engineer at Research Centre for Cleaner Production & Circular Economy, Chinese Research Academy of Environmental Sciences, mainly responsible for discharge permit system research, environmental economics and environmental management. She has published more than 5 papers in reputed journals.

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