

Analysis on the Role and Development Measures of Environmental Monitoring in Ecological Environment Protection

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Keywords: Environmental monitoring, Ecological protection, Role, Development measures

Abstract: With the rapid development of China's social economy, China has paid more and more attention to the construction of ecological civilization. Developing the role of environmental monitoring in ecological environment protection can minimize the negative impact of environmental pollution on the ecological environment. This study mainly researched from the role of environmental monitoring in ecological environment protection, explored the specific measures to improve environmental monitoring, hoping to provide some reference for future research.

1. Introduction

Environmental monitoring is the main way to understand the state of ecological environment. Through environmental monitoring, the factors that lead to environmental pollution can be identified and improved. Therefore, environmental monitoring has become the main monitoring means of ecological environment protection. Only on the basis of current work and continuous improvement of the working mode of environmental monitoring system, can we provide a powerful weapon for the construction of ecological civilization in China.

2. Role of Environmental Monitoring in Ecological Environment Protection

2.1 Monitor Environmental Pollution

First of all, environmental monitoring can monitor and manage the location of environmental pollution. For example, when water pollution occurs in an area, environmental monitoring technology can be used to analyze the scope, situation and the causes of environmental pollution. After the causes of environmental pollution are clear, environmental pollution problems can be solved in time, so as to effectively alleviate the existing environmental pollution problems, prevent more serious problems caused by environmental pollution, and reduce unnecessary losses. For example, in 2002, there was a problem in Harbin that local soil and water were polluted due to improper discharge of sewage from chemical plants. At that time, due to the lack of perfect environmental monitoring technology, local crops were affected to a great extent, and even a lot of local farmers had nausea and vomiting, which was also due to the lack of environmental monitoring. It can be seen that it is very important to continuously improve the current environmental monitoring technology and the current mode of ecological civilization construction and development in the current work.

2.2 Optimize Urban Planning System

Since the 1960s, China has attached great importance to the development of industry, so as to promote the process of urbanization. But with more and more factories taking root in the city, there are many problems of water pollution and air pollution. With China's industrial transformation in recent years, China has gradually changed from an industrialized country to a modern high-tech industrial country, constantly abandoning the traditional industries with high cost, high pollution and low income. In this process, we need to get rid of the diseases left by the traditional industrial cities. Therefore, in the current environmental monitoring work, we are constantly improving the urban planning work. By monitoring the local environment, air, water resources and soil, we can

find the existing problems in time, and improve them according to the actual situation of the current work. Only in this way can we ensure that China can make progress towards long-term and sustainable development.

2.3 Prevent Sudden Environmental Pollution Strictly

In addition to the environmental and ecological problems left in the long-term development, China is also facing sudden pollution incidents. The sudden pollution incidents refer to the sudden pollution problems caused by carelessness or the intentional criminal suspect in current life and work. As the sudden pollution events often spread very fast and lack preparation in advance, once they appear, they will have a very serious impact on the local. Environmental monitoring is different from the traditional monitoring and management work. The former often carries out long-term and stable monitoring work automatically according to the actual situation of the local area, monitors the local area for a long time, and analyzes and tests the data according to the actual situation of the local environment. In addition, environmental monitoring can also effectively establish a perfect work flow for organic matter control and nuclear radiation management, so as to improve the efficiency of environmental protection work to improve the environment and ecological civilization.

3. Development Measures of Environmental Monitoring in Ecological Environment Protection

It can be learned from the above content that environmental monitoring plays a very important role in the current work and life. Therefore, in the future work, we should constantly improve the current work process to create a good working environment for China's environmental monitoring work, so as to reduce unnecessary losses and prevent the impact of environmental pollution on China's ecological civilization construction. The following is a detailed analysis of the development measures of environmental monitoring in the ecological environment protection based on the actual situation in the work.

3.1 Establish a Sound National Monitoring Network System

The perfect national monitoring network system is the foundation of other environmental monitoring work. Therefore, the author believes that in the future work, the government should establish its perfect environmental protection system, and establish its perfect monitoring and evaluation system and management mode for environmental protection and ecological civilization construction, so as to ensure that relevant staff can consciously fulfill relevant requirements in the process of work. In the future work, on the one hand, we can grasp the situation of environmental quality and discover the existing problems in the current environment in time; on the other hand, after finding the problems, we should formulate effective and feasible improvement measures according to the actual situation of the local environment in time, and manage in strict accordance with the work process and requirements. For example, in 2018, Bijie City, Guizhou Province improved the environmental monitoring work-flow and management system according to the local actual situation, and carried out publicity in the local area, encouraging enterprises to strictly abide by the relevant regulations. Therefore, in 2018, Bijie City, Guizhou Province made significant progress in environmental pollution control. In previous work, many enterprises had expressed a lack of relevant technology and experience, so Chengdu City provided perfect technical support for enterprises, including environmental monitoring consultation, design, construction, equipment transformation, installation and commissioning. In 2018, the annual concentration of fine particles (PM_{2.5}) in the air in Bijie City decreased by about 37% compared with that in 2016, and the concentration of PM_{2.5} in the surrounding areas decreased by 24%. It can be seen that it is important to establish a perfect national monitoring network system.

3.2 Optimize Financial Investment

The government departments should increase the investment of environmental monitoring work

on the basis of ensuring the smooth progress of other work according to the actual situation of environmental monitoring work. Only in this way can we create a good environment for environmental monitoring work, so as to introduce advanced technology and equipment for relevant departments. Today, with the rapid development of science and technology, the speed of updating technology is faster and faster. Therefore, in the current work, we need to constantly improve on the current technical problems, and use an open perspective to constantly update the current environmental monitoring technology, so as to solve the environmental pollution problem, and ensure that the staff can refer to the data in environmental monitoring to develop a sound program to create a good environment for our country and all regions.

3.3 Apply Modern Testing Technology Reasonably

Modern technology plays a very important role in the current work, but the author finds that in the current work, utilization ability of modern technology is still relatively poor, so the author thinks that in the future work, we should continue to absorb modern environmental monitoring technology. For example, from the current situation in the city, in addition to the introduction of modern technology from abroad, we can continue to strengthen our independent innovation capacity, develop excellent environmental monitoring technology and equipment for environmental problems in China. In addition, in the future work, we should continue to strengthen the cultivation and search of excellent environmental monitoring staff. Because the staff of environmental monitoring is the main practitioner of the whole environmental monitoring work, so in the future work, we must constantly improve the employment system of environmental monitoring units, strengthen the management and training of staff, and constantly inject modern ideas and technologies into it, so as to fundamentally improve the efficiency of environmental monitoring work in China.

3.4 Build Early Warning and Prevention System

Early warning and prevention system is the basis of environmental monitoring and a guarantee to avoid sudden pollution incidents. In the future work, it is necessary to strengthen the construction of environmental monitoring information platform, realize the interconnection and sharing of environmental monitoring data in various regions, release monitoring information in a unified and standardized way, and establish environmental pollution monitoring technology and environmental protection management requirements that are more suitable for the actual situation of different regions and different environments, analyze the environmental monitoring data through big data platform, and establish an automatic early warning device to guide environmental management and risk prevention.

4. Conclusion

To sum up, with the rapid development of China's social economy, only continuous construction of ecological civilization can promote the sound and rapid development of our country. Therefore, in the current work, we should attach great importance to the construction and development of environmental monitoring, give full play to the role of environmental monitoring in ecological environment protection, and lay a solid foundation for China's long-term development.

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