

Analysis of the Relationship between Environmental Monitoring and Environmental Impact Assessment

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Abstract: The strategy of sustainable development in our country puts forward higher requirements for the development of our environmental protection work, at the same time, environmental monitoring is the main content of the work, which has a very positive effect on our ecological environment. This paper briefly analyzes the relationship between environmental monitoring and environmental impact assessment, to provide reference.

Keywords: Environmental impact assessment; Environmental monitoring; Relationships

1. Theoretical research of environmental monitoring and environmental Impact assessment

1.1 Meaning of environmental monitoring

The so-called environmental monitoring means that the representative values of factors affecting environmental quality are determined, and the degree of environmental pollution is determined based on this. Environmental monitoring has the characteristics of "comprehensive" and other related, from the point of view of its detection content, the detection object is mainly "man-made, natural" and other related components. Environmental monitoring has relatively standardized steps, go to the site for "investigation" and "asset collection", set up monitoring plans, and collect samples according to its data. Then the collected samples should be "stored" and "transported" to the relevant departments for processing. In short, environmental monitoring needs to accurately and quickly reflect the current situation of environmental quality and related changes promptly, and provide an effective basis for "environmental pollution, environmental planning settings" and other related aspects.

1.2 Analysis of environmental influences

In general, environmental impact assessment refers to the "systematic" prediction and assessment of the environmental impact and damage that may be caused by the implementation of the proposed project. Therefore, the main purpose of environmental impact assessment is to make the coordinated development of economic construction and environmental protection. Environmental impact assessment is the same as environmental monitoring, which also needs to be carried out by relevant steps and norms. However, according to the actual situation, the environment of each region is different. Therefore, the implementation process of its environmental impact assessment is "dexterous". In general, the environmental impact assessment has a certain practical value for environmental protection, which is not only the "environmental protection responsibility" of the project builder is explicitly stipulated, but at the same time, the impact on the environment also puts forward the corresponding solution, for the construction of the project provides a scientific management basis.

2. Explore the relationship between environmental monitoring and environmental impact assessment

The proposal of a sustainable development strategy in our country puts forward higher requirements for the development of our country's environmental protection work, and environmental monitoring, as the main content of its work, has a positive influence on our country's ecological environment protection. Environmental impact assessment (EIA), as a kind of assessment system, is one of the main means of evaluating and predicting the current environment. Environmental monitoring and environmental impact assessment (EIA), as the key work of the implementation of sustainable development strategy in our country, the close relationship between the two has gradually become the object of widespread attention from all walks of life. Therefore, through the analysis and research of the relationship between environmental monitoring and environmental impact assessment, it will effectively promote the smooth development of environmental protection work in our country, but also benefit the reasonable maintenance of the ecological environment and realize the healthy development of our country.

2.1 Environmental monitoring is the basis of environmental assessment

In the environmental impact assessment, environmental monitoring as its effective premise for environmental impact assessment provides effective reference evidence. In general, according to the relevant norms of environmental quality, and the allocation of reasonable technical means, the environmental monitoring data are scientifically analyzed to determine the "environmental capacity" of the proposed project. In addition, environmental impact assessment also needs to give relevant and effective management methods for environmental protection in the proposed project and use the environmental monitoring analysis data, which makes the evaluation more convincing. Therefore, environmental impact analysis is used to determine whether the construction is feasible, and "environmental monitoring" can provide real and reliable reference conditions for it.

2.2 Environmental monitoring throughout the entire environmental impact assessment system

In the process of entrusting the environmental quality monitoring unit to evaluate the construction environment of the project, the project construction unit must first consider the environmental monitoring of the proposed site, and the monitoring data mechanical analysis and evaluation. Based on this, the feasibility of the proposed site is determined. According to the relevant provisions, after a quarter of trial operation of the project, it is necessary to accept the project, and the elements that affect the environment are "supervised" and "evaluated", and the environment before and after the construction is compared. If the impact of the project on the environment after completion exceeds its previous estimate, it is necessary to continue to monitor the environment. That is to say, the evaluation of environmental impact in the project construction can be divided into four stages, "an initial stage, construction stage, operation stage, and post-construction stage". In the evaluation and analysis of these four stages, it is always inseparable from the reference of its environmental monitoring data.

2.3 Environmental monitoring plays a critical role in environmental analysis

In the method system of environmental impact assessment, there are many ways of assessment and analysis, but "environmental monitoring" is one of the strategies of environmental impact assessment and analysis, which provides an effective regulatory role for the science of environmental impact assessment and analysis. In particular, the regulatory role of environmental monitoring plays an important role in the value of environmental impact assessment after the completion of the project. To make a strong environmental impact assessment of the project after completion, it is also necessary to obtain some relevant data with the help of environmental monitoring. In other words, no matter whether the environment is good or bad after the completion of the project, it cannot be separated from the explanation of the test data.

3. Measures to strengthen environmental impact assessment

3.1 Ensure the standardization of status monitoring operations to ensure reliable and accurate monitoring results

Carry out status investigation and combine with existing data to obtain the information of the status investigation. While making full use of existing data and environmental status, it is necessary to consider the differences of multiple conditions such as time, region, and background. In the process of field testing, it is necessary to avoid the appearance of non-standard operations, to obtain scientific and accurate environmental status information. After that, through reasonable determination of monitoring factors, strict statistical analysis of the relevant monitoring data, and other steps to study the scientific and convincing conclusions, and finally strengthen environmental supervision and management based on the conclusions, formulate solutions.

3.2 To improve the technical guidelines and evaluation methods to enhance the practicality and pertinence of the evaluation

At present, China's environmental monitoring technical guidelines and forecasting methods have some shortcomings and need to take a scientific evaluation of technical norms and effective forecasting methods to meet their operability. At the same time, it is necessary to improve the standard system and technical regulations of environmental impact assessment, formulate and repair technical standards that are easy to operate and implement, and unify all kinds of environmental prediction and evaluation formulas to improve the accuracy of environmental impact assessment. In addition, it is necessary to strengthen the information construction of environmental impact assessment, keep up with the contemporary information level, learn from the advanced management experience of Western countries, and realize the information, digital, and resource sharing of EIA work.

3.3 Improving the effectiveness of public Participation

Public participation is a two-way communication activity between environmental impact assessment personnel and the public, to enable environmental impact assessment to be deeply rooted in the hearts of the people and enhance the public's awareness of participation in environmental protection. Secondly, attention should be paid to the representativeness of participants, both rural and urban areas should have a

certain amount of representation, especially to improve the intensity of public participation in rural areas, which can be obtained by consulting the public opinions or questionnaire surveys conducted by civil organizations such as the MerC Environmental Association.

4. Conclusion

In recent years, with the continuous improvement of the modern economic level, the accelerating process of industrialization, and the increasing problem of environmental pollution, society's requirements for environmental protection work are getting higher and higher. To effectively do a good job of environmental protection this management service, it is necessary to strengthen the understanding of environmental assessment units and monitoring units of environmental impact assessment process monitoring work, from the ideological understanding of the importance of environmental monitoring for environmental impact assessment, to ensure the smooth progress of environmental monitoring work.

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