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A Brief Discussion on Environmental Monitoring in Environmental Impact Assessment

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Abstract: In recent years, the natural environment's continuous deterioration of our country's government and society made our country the environmental problem great attention, the current environmental problem of our country is extremely serious, but in such circumstances, the city development must meet the environmental protection requirement, to promote the harmonious development of the man and the nature, but wants to achieve this purpose must carry on environmental assessment to construction project, So that it can meet the corresponding environmental protection standards, and this environmental protection assessment is through the environmental impact assessment to complete. Environmental impact assessment cannot exist alone, it needs the support of all kinds of relevant environmental data, and the means to obtain these environmental data is environmental monitoring, it can be said that environmental monitoring is extremely important to environmental impact assessment, the paper analyzes the environmental monitoring problems in environmental impact assessment.

Keywords: Environmental impact assessment; Environmental monitoring; Value

1. Introduction

An environmental impact assessment is an environmental protection document prepared by relevant national laws and regulations, standards, and norms to provide support for environmental protection departments and supervision departments. Environmental monitoring is the basis of environmental impact assessment work, environmental impact assessment work cannot be separated from environmental monitoring. The implementation of environmental monitoring can effectively control environmental quality, prevent environmental pollution, and promote the healthy development of society and economy.

2. Concept of environmental monitoring

Environmental monitoring is the environment as the object, the use of physical, chemical, and biological technical means, the pollutants and their related components of qualitative, quantitative, and systematic comprehensive analysis, to explore the study of environmental quality change law. It should be said that environmental monitoring is the basis of the whole environmental protection work, any environmental protection behavior needs to be supported by the data provided by environmental monitoring, the current environmental monitoring contains many different contents, including atmospheric environmental monitoring, water environmental monitoring, soil environmental monitoring and solid waste monitoring and other different fields. The task of environmental monitoring is to conduct data analysis of the impact of these monitoring targets on the environment, and identify and study the composition of pollutants, to achieve the purpose of protecting the environment, reducing environmental pollution, and ensuring the sustainable development of society and economy.

3. Value of environmental monitoring

In the environmental impact assessment system, environmental monitoring is in the middle link and has great significance. Among them, environmental monitoring refers to a fixed area, with the environment as the monitoring object, the use of mathematics, chemistry, and biological theories, the pollutants and emissions produced in the region are carefully analyzed and studied, to find the changes in the environmental quality of the region, the assessment of environmental impact.

Environmental monitoring analysis has its uniqueness: first, comprehensive, that is, the analysis method will be a variety of disciplines of technology and knowledge are integrated, including biology, physics, and mathematics in the statistical knowledge; Second, the public value, that is, the analysis method can detect and collect data on all aspects of the environment, including temperature, humidity, light, ultraviolet light, water quality and air quality, etc. These environmental data provide data support for environmental impact assessment, are the technical basis of environmental quality analysis, and serve the entire human living environment.

Environmental impact assessment refers to when the government departments approve the establishment of economic projects, during

and after the completion of the project, real-time monitoring and prediction of the regional environment, according to the data analysis of the impact degree and the corresponding countermeasures, to achieve the balance of economic value and environmental value. From the domestic status quo, China is pursuing the vigorous development of the market economy, the establishment of economic projects, whether it hurts the regional environment, the need to use environmental data for analysis and comparison, and environmental monitoring data value is the data basis for analysis, therefore, in China's economic development at the same time, to put environmental impact assessment in a key position, To ensure the unity of economic value and environmental value.

4. The status and importance of environmental monitoring in environmental impact assessment

4.1 Status of environmental monitoring

Environmental monitoring plays an important role in environmental impact assessment and is involved in the entire environmental impact assessment. When enterprises carry out environmental monitoring, they need to entrust the environmental monitoring department to carry out environmental assessment, and the monitoring department needs to develop a reasonable monitoring plan. Environmental monitoring provides a reference for environmental impact assessment and plays a safeguarding role in the process of environmental impact assessment.

4.2 Provide a basic guarantee for environmental impact assessment

Before the construction project environmental impact assessment report is compiled, it is necessary to master the status quo of environmental quality in the evaluated project area, obtain it through environmental monitoring methods, analyze the status quo quality with monitoring data, and understand the environmental quality, environmental capacity, and environmental carrying capacity of the proposed project area. After understanding the current environmental quality, the EIA unit can judge the environmental feasibility of the project construction according to the monitoring data when preparing the report, analyze the environmental factors restricting the construction of the project on this basis, and take the corresponding management measures. Therefore, environmental monitoring provides the basis for environmental impact assessment, so that the content of EIA is more accurate and scientific. Therefore, environmental monitoring is very important in environmental assessment work.

4.3 Inspect the implementation of environmental protection measures

When the project enters construction after receiving the EIA approval, it shall conduct environmental monitoring during the construction period, monitor the pollutants generated during the construction period and the impact on the environment, formulate effective protective measures to minimize the impact on the environment in the construction area, and verify whether the environmental protection measures proposed in the EIA are reasonable. Grasp whether the construction unit has implemented the EIA approval and the content proposed in the report. Environmental monitoring work can determine whether the environment is polluted, and it is the inspection of the implementation of environmental impact assessment reports. The result of environmental monitoring is an accurate quantitative index, which provides data support for environmental protection departments to implement environmental management and monitoring work.

4.4 Verification of environmental assessment results

After the completion of the construction project, the environmental protection department shall carry out the acceptance of the completion of environmental protection, and investigate whether the environmental protection measures of the construction project are reasonable and consistent with the predicted environmental impact assessment. Environmental monitoring data is the method of environmental protection measures or facilities inspection, to judge whether the pollutants meet the standards, and the environmental feasibility of the project, is an important means of environmental protection acceptance of the construction project. The data obtained from environmental monitoring can be analyzed to test whether the content of the EIA report is accurate, and the feasibility and effectiveness of the environmental protection measures in the EIA report. In addition, the effectiveness of the EIA and the quality of the EIA report can be verified.

5. Comments and suggestions on environmental monitoring work

As the basic link of environmental impact assessment, the role of environmental monitoring is indispensable. To effectively solve the practical problems in environmental monitoring, and make environmental monitoring more mature and effective play its due role, it is necessary to take practical measures, constantly improve the work of environmental monitoring, and promote the in-depth and healthy development of the work.

5.1 Strengthen the supervision of environmental monitoring

The lack of implementation and effectiveness of environmental monitoring is largely due to the lack of supervision and the imperfect supervision mechanism. It is necessary to increase the importance of environmental monitoring, so that environmental assessment units and environmental monitoring units fundamentally realize the significance of environmental monitoring, put an end to the formalism of "going

through the formalities", and invite experts and scholars in relevant industries to supervise and review the relevant work of environmental monitoring when necessary to ensure that the monitoring content and data are accurate and correct. Ensure the accuracy and scientific nature of environmental supervision, and provide effective support for environmental impact assessment.

5.2 Appropriate introduction of advanced technologies

In modern society with the increasing level of science and technology, GIS, ES, and other advanced technical means can more accurately locate monitoring points, obtain more accurate and more reliable monitoring data, to provide more authentic and credible information data. Therefore, if funds are allowed, relevant advanced technologies should be properly introduced to increase the technical content of environmental monitoring, which not only saves the time of monitoring to a large extent, improves the efficiency of monitoring, but also effectively improves the accuracy and accuracy of monitoring.

5.3 Improve the comprehensive quality of environmental monitoring staff

To strengthen environmental monitoring work, we should not only add "hardware" measures but also strengthen "software" strength. The working attitude and professional level of environmental impact assessment and environmental monitoring staff are fundamental to ensuring and improving the quality of environmental monitoring work. It is necessary to start from the ideological, knowledge, business, and other aspects, strengthen the training and training of staff, and effectively improve the comprehensive ability of staff, to more efficient and pragmatic environmental monitoring work.

6. Conclusion

In short, with the continuous improvement of national environmental protection systems and regulations, the requirements for environmental protection continue to increase, environmental impact assessment work is very critical, and environmental monitoring is the basis of environmental impact assessment, so both of them are very important for environmental protection work. The importance of environmental monitoring should be improved, and the ability to improve environmental monitoring should be improved. Improving the quality of environmental monitoring is conducive to the development of environmental protection and the smooth progress of environmental impact assessment. In short, environmental monitoring is the basis of environmental impact assessment and runs through the whole process of environmental impact assessment. Effective control of pollution sources of environmental problems is of great significance to environmental impact assessment.

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