

# Analysis on the Development Strategy of Green Mining Economy

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**Abstract:** The most basic concept of the green mining industry is the “green” in the mining production chain, so as to achieve sustainable development. However, the current development of the green mining industry is faced with various problems, such as imperfect policies and regulations, uncoordinated development pattern and so on. If this situation is changed, promoting the development of green mining economy will be the focus of this paper.

In the traditional concept, mining development is always accompanied by pollution and ecological destruction. If one wants to develop the mining industry, they must pay the price of ecological destruction and environmental pollution. However, with the continuous promotion of the construction of ecological civilization and the deepening of the concept of green development, the direction of mining development in China is also gradually changing. Green mining is the core essence of the development of modern mining industry, so the only way for the transformation and upgrading of mining industry in the future and a strong support for the construction of a mining power.

## 1. Concept of green mining economy

The basic idea of green mining is to “afforest” the whole mining industry chain and always adhere to the sustainable development of social economy. The development of green mining industry is the specific requirement of sustainable development in the field of mining industry. It can not only meet the requirements of contemporary economic development for material resources, but also protect the living environment of contemporary and future generations, and achieve sustainable development. (Zhu Xun, 2013) The development of green mining economy is an important part of the construction of ecological civilization, and its basic requirement is to realize green development in the whole process from exploration, mining to management, and finally realize the coordinated development of mineral resources development and environmental protection.

## 2. Problems encountered in the development of green mining economy

### 2.1 Policies and regulations are not perfect

Although China has promulgated a number of policies on the development of green mining economy, most of these policies have macro-guiding significance, and there is still a certain lack of specific links. The current enterprise income tax is only reduced according to 1/10 of the fixed investment in the mining industry, and the preferential intensity in the fields of energy saving and consumption reduction is not very great. Some financial funds and resource allocation are only related to the departments of green mines, and there is no special and systematic aim at the green mining economy. Even if there are special fiscal and tax policies for the conservation and comprehensive utilization of some mineral resources, it is difficult to implement them because of the lack of certification procedures and standards. In addition, many current policies are encouraged from the perspective of the completion of green mines rather than in the construction process, which can not better guide ordinary mines to participate in the construction of green mines.

## **2.2 Stamina of mining exploration is insufficient**

At present, most of the address exploration in our country depends on the national finance, which results in a high dependence on government investment. In addition, the application of new theories and methods in geological exploration is not enough. due to the lack of investment in geological exploration, the level of exploration is still in the past. Because the exploration level of our country is relatively low, the development of surface and shallow mines is relatively strong, but the exploration of deep deposits is restricted by technical means, so it is difficult to carry out accurate exploration. these factors also affect the development of China's mining economy.

## **2.3 Heavy work for mine recovery**

In the past, our country has less restrictions on mining, so there are many private mining plants, these small factories are not mature in technology, the situation that there is no need for mining is very serious. Many mines have caused great damage to the environment in the process of mining, and because the level of mining is not high, it has also caused a lot of waste of resources. In the process of mining, do not pay attention to the maintenance of the environment, resulting in a lot of soil and water loss, and induced a variety of geological disasters, and there has been a trend of continuous increase. The emergence of these problems have brought great challenges to the recovery of the mine.

## **2.4 Management system is not perfect**

Although the construction of green mines has been carried out throughout the country, many enterprises still do not specify a perfect and strict green development strategy, lack of corresponding actions, so it is difficult for the green concept to run through the whole production management system. Enterprises have defects in their understanding of the green mining economy, so there is a certain pressure in carrying out green management. more often, they are passively accepted and lack of initiative. From the government's point of view, enterprises do what they say they do. from the government's point of view, it can only carry out macro-control, and can not formulate strategies suitable for each enterprise's development. It is precisely because the enterprises can not meet the requirements of the government, it is difficult for the green mining economy in the region to achieve obvious results.

## **3. Strategies for the development of green mining economy**

### **3.1 Formulate a scientific plan for the development of green mining economy**

Practice needs the guidance of planning. in order to achieve better development of green mining economy, we must adhere to the rational development and utilization of resources and environmental protection, so as to achieve the goal of both development and protection. Then the first thing to do is to formulate plans for the development and utilization of mineral resources and environmental protection, and to guide the development of the green mining industry by formulating the development plan of the green mining economy. only in this way can we promote the in-depth development of the green mining economy. Of course, the green mining economic development plan can not only be formulated by the local land and resources departments, enterprises should also be combined with their own conditions, carried out synchronously with the plans made by the government. The planning should involve the development and protection of green mines, focusing on the planning background, planning basis, planning positioning, planning time and other contents in detail, in order to conduct regular assessment. It is not enough for an enterprise to make a plan. it must also formulate rules and regulations that can ensure that the planning can be carried out. Through reasonable planning and rules and regulations to implement the development of green mining economy, this can not only promote enterprises to implement the development of green mining economy into practical action, but also ensure the coordinated development of mining development and environmental protection.

### **3.2 Promote cooperation and exchanges among all participants**

Green mining economy is a systematic project, which requires not only the participation of the government, but also the participation of enterprises, non-governmental organizations and the public; there is an urgent need for technical support as well as financial and policy support. Therefore, in order to develop the green mining economy, it is necessary to strengthen the cooperation among various departments and promote the cooperation and exchanges of all participants. First of all, the government should give full play to the role of supervision and guidance, put forward timely measures to solve the problems encountered by mining enterprises, and establish an effective reward and punishment mechanism to urge mining enterprises to fulfill their social responsibilities. For enterprises carrying out green mining projects, the government should have a certain tilt in terms of capital, technology and taxation to promote their better development. At the same time, it is also necessary to standardize administrative actions, so that there are no arbitrary charges and continuous fines, so as to reduce the financial pressure on enterprises, so that they can have more funds to invest in green production. Secondly, non-governmental organizations, the community and the public should also actively participate in the development of the green mining industry to create a good development environment for the development of the green mining economy. For mining enterprises that fulfill their social responsibilities, the public should strengthen publicity so as to form a good social model and call on other enterprises to learn. Thirdly, mining enterprises should incorporate social responsibility into their own development strategies, actively seek cooperation, and actively rely on the strength of the government, communities, non-governmental organizations and the public to form a joint force. For enterprises to actively carry out resource conservation and comprehensive utilization, environmental protection and other related work to lay the foundation.

### **3.3 Increase the intensity of scientific and technological innovation**

In the development of mining enterprises, in order to achieve the good development of green mining economy, we must increase the intensity of scientific and technological innovation, reform backward production skills, and strictly follow the activities of mining design and development. In the traditional mining, many enterprises only select the areas with the best quality for mining, and choose to give up the areas with lower quality, but the resources are destroyed to varying degrees in the mining. As a result, after the optimal mining, the resources with lower quality in this sector can no longer be exploited, resulting in a lot of losses. Nowadays, to increase the intensity of scientific and technological innovation is to increase the utilization of low-grade and difficult-to-mine ores and avoid waste as far as possible. At the same time, the progress of science and technology can also reduce the damage to the environment by mining enterprises. and then improve the level of comprehensive utilization of resources and development efficiency.

## **4. Conclusion**

The development of green mining economy is an inevitable requirement for our country to speed up the construction of ecological civilization. In this process, the government, enterprises, non-governmental organizations and the public should strengthen exchanges and cooperation so as to make joint efforts to promote the development of green mining economy.

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