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Research on Rural Domestic Waste

-- A Case Study of Bengbu Municipal Waste and Sewage Treatment

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Abstract

With the rapid development of China's economy, the environment in rural areas has been greatly damaged, and the environmental protection problems in rural areas need to be strengthened. The urgent importance of effectively and rationally using clean energy, reducing all kinds of environmental pollution, preventing all kinds of sudden major environmental disasters, and ensuring the safety of people's lives has become increasingly prominent. In order to meet the needs of environmental protection and constantly improve the quality of our people's daily life and production, the main focus and focus of our economy and people's livelihood has gradually shifted to the protection of social environment and resources, and has begun to formulate many preferential policies for environmental protection.

Keywords

Bengbu Environmental Protection; Rural Garbage; Sewage Treatment.

1. Research Background

Since the origin of human civilization, the relationship between human and nature has been changing constantly. In ancient times, human beings revered nature because of economic development and limited capacity. With the passage of time, after entering the agricultural period, human beings have developed a desire to conquer nature, cutting down trees and reclaiming land excessively to transform nature. Since modern times, nature has begun to retaliate against human beings due to more damage to nature. Sand dust storms, mud rock flows, floods, earthquakes, etc. have all brought great threats to human life and property losses. Therefore, all countries began to take measures and policies to protect nature. Years of experience reminds us that human beings and nature are both citizens of the earth, and only when they coexist harmoniously can we build a better future together. Despite the promulgation of policies, exceptions still exist, especially in rural areas close to natural residence. Compared with other regions, their daily life and production activities have a stronger impact on nature, so rural ecological protection is extremely important.

Nowadays, the rural ecological quality is far less good than that of the ecological environment in the 20th century and before. Because of the continuous development of science and technology, urbanization and industrialization, it has a great negative impact on nature. Because some remote local governments want to devote themselves to economic development and damage the green water and green mountains, the rural ecological and environmental protection related policies cannot be thoroughly implemented, which makes it possible for

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those criminals who damage the environment to take advantage of the opportunities, and the ecological and environmental protection work cannot achieve the desired results. Due to insufficient environmental protection publicity for some reasons, most rural residents' awareness of environmental protection has not been improved accordingly, and rural ecological environmental protection cannot be effectively promoted. These problems have caused a great bad impact on rural ecological environment protection, which leads to the plight of rural ecological construction in China. It can be seen that rural energy conservation and emission reduction has become the central position of the national energy conservation and emission reduction strategy.

For rural ecological and environmental protection issues, the most closely related to people's lives is the treatment of garbage and sewage. According to relevant national policies, although garbage classification has been continuously promoted as a pilot project in recent years, because the rural areas are remote areas, the economic level and infrastructure construction are relatively backward, the promotion is not wide, fast and efficient enough. In addition, there are still many problems in sewage treatment, such as management, people's will cognition and fund.

Objectively speaking, the treatment of rural garbage and sewage determines the quality of rural ecological environmental protection. Therefore, under the favorable situation that the country attaches importance to rural construction, we should focus on the research and solution of rural garbage and garbage sewage treatment.

2. Research Significance

2.1. Important Strategic Significance to the Party and the Country

The work report of the 18th National Congress of the Communist Party of China clearly proposed to accelerate the construction of the Party's and the country's strategic ecological environment and social civilization governance system, and upgrade it to the overall level of the Party's and the country's social strategic economic and economic development that is organically coordinated with the construction of the Party's and the country's strategic economic and social civilization system, political civilization system, cultural and ecological civilization system, and socialist civilization; It has incorporated the overall layout of the political system theory of the five in one construction of civilization by outstanding young socialist party members with Chinese characteristics, and has realized the great political ruling ideal of the Communist Party of China, the great strategic political idea of enriching the people and rejuvenating the country, and the great political practice of governance, Undoubtedly, this is an important historical achievement that the CPC has successfully achieved through a creative and correct attitude to answer the important practical issues closely related to the rapid development of China's national economy and society and the protection of natural resources and the ecological environment's own interests. In order to better coordinate the overall development of harmonious coexistence between human and nature in China, it points out the right direction for positive progress, actively strives to comply with the expectations of the grassroots people, cadres and masses, and further enriches and deepens the major strategic planning and deployment of improving the overall layout of the development of excellent socialist construction with Chinese characteristics; Fully absorb the wisdom of the essence of the traditional invention culture of the Chinese nation abroad, and seriously reflect on the deficiencies in China's modern industrial civilization and China's existing economic development system model; Actively and orderly promotion is a major process of human civilization. It has deeply understood and grasped the new development trend of green economy, environmental protection and low carbon in developing countries in the world today,

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and is a profound expansion and deepening of the theory of national sustainable development strategy.

The comprehensive protection and management of environmental and ecological resources has always been an important strategic main position to promote China's ecological, economic and social construction and the construction of a civilized city system. It is also the core stage and an important strategic focus to promote China's accelerated construction of a green avenue for the international urban transportation trunk line of beautiful China. The rapid development of the environment has gradually become a hot economic, social and livelihood issue that has been widely and increasingly concerned by the general public, It is imperative to build a beautiful, harmonious and elegant urban and rural ecological environment.

2.1.1. Political Significance for the Construction of the Current International Social Environmental System

Environmental protection is a basic prerequisite for the realization of human natural survival and continuous development. The environment provides us with urgently necessary natural resources and environmental conditions for our natural survival and continuous development. At present, the issue of environmental protection has become an important international issue that cannot be avoided by human beings, which contains the political significance of people's governments around the world. Protecting the environment, reducing the water pollution of the natural environment and curbing the deterioration of the environment and ecology have already become the important political tasks of social environmental management in China. But our social responsibility to protect the environment should not necessarily be just our government, enterprises, and young people like us. We should all be part of the protection of the environment. We should all be part of the protection of the earth. We should all have the obligation to do our best to protect our common ecological home. Environmental protection should also be the common responsibility of all people around us. We should properly handle and develop the interest relationship with nature, We will work together to build a beautiful world. To realize the sustainable and healthy development of the whole earth.

2.1.2. Important Strategic Significance for China's Regional Ecological Construction

On the whole, the quality of the construction and development of China's regional ecological environment system has continued to improve significantly, and there has been a trend of steady progress and sustainable development. However, some development strategies have not achieved steady results, and the important stage and critical period of bearing the momentum to forge ahead have also entered the stage of effectively grasping and defining the conditions for policy implementation, It is necessary to grasp the important window period of the period when policies and measures have the ability to effectively implement and solve the outstanding contradictions and practical problems of the urban and rural ecological environment in our city. We must deeply deepen our understanding and earnestly go beyond this critical period, the critical period and the window period. The rise of ecological society means the rise of civilized society, while the decline of ecological society means the decline of civilization. To truly realize the beautiful Chinese dream, which will benefit the great prosperity and rejuvenation of the Chinese nation, we must strive to build a beautiful ecological and social civilization and build a beautiful China. The 19th National Congress of the Communist Party of China made it clear that, on the basis of comprehensively solving the solid problem of building a moderately prosperous society in China, if we want to go all out to win the comprehensive and in-depth reform to build the Party and a moderately prosperous society in China, we must resolutely adhere to fully harness rural ecological and environmental protection issues, and we must resolutely adhere to the battle of balancing urban and rural ecology. Ecological environment construction, civilization, and urban and rural engineering construction contribute to the present and benefit the future. We will make greater efforts to accelerate the construction of the national ecological

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social civilization system and solve the outstanding problems of China's ecological environment. We will certainly hope that we can effectively promote the formation of a new modern economic construction and new ecological pattern in which people and nature develop harmoniously and harmoniously.

2.1.3. Important Strategic Significance for China's Rural Development

Village appearance is an important content. The work of agricultural environmental sanitation in rural farmers' areas and the remediation and treatment of rural comprehensive ecological environment pollution are still important economic and political strategic contents for China to promote the construction of a characteristic socialist economic country and build a new countryside, Improving the agricultural environmental sanitation and comprehensive rural ecological environment governance in rural and urban peasant areas in China not only provides an urgent and favorable condition for improving the quality of rural environmental sanitation in the daily life, property life and travel environment of cadres and masses in rural and urban peasant areas in China, It also lays a good foundation for the comprehensive improvement of environmental sanitation in rural areas of China to continuously promote the sustainable development and progress of the construction of socialism with new rural characteristics in a socialist economic country, effectively regulate and protect the collective productivity of rural collective workers, promote the sustainable development of rural collective economy and society, and improve the quality of rural environmental sanitation service facilities in life and travel, It is of great historical and practical significance to promote the sustainable development and progress of the construction of socialism with new rural characteristics in our country. It is a historical event and a practical matter for our country to do a good job and benefit all the cadres and masses in rural and urban areas. To do a good job in the national pilot project of comprehensive treatment and remediation of hidden dangers in rural ecological and environmental health is not only an internal development need to constantly promote the construction of a new rural system with socialist characteristics in China, but also a practical need to constantly improve the overall image of the local countryside, and an urgent need to constantly improve the environmental conditions for the economic development of local villages and improve the quality of basic life services for farmers in the whole village. It directly affects the quality of basic living conditions of our masses and the normal health of our masses. It is of great historical and practical significance to effectively protect the productivity of rural workers, promote rural economic and social development, improve the quality of environmental services in life, and promote the development of China's new rural social construction.

2.2. Practical Significance

Through this survey on the social living environment of rural residents across the country, we can clearly observe, react and analyze ourselves. It can be seen that the ecological environment of social life and the protection awareness of ecological conditions of rural residents in our and surrounding areas have begun to be changed and preliminarily improved at different times. They are very clear that the living environment they really need now should be a bluer sky, bluer water and redder flowers, Better social living conditions and ecological environment with greener grass. Of course, while all of us are full of confidence to look forward to the beautiful vision of a beautiful natural ecological environment, we must also be more clear that we know that a beautiful natural ecological environment still needs all of us to love and work together to protect the natural environment on which we live, which is still the bounden good socialist responsibility of every one of us who loves nature. If we don't pay attention to environmental protection and sanitation every day, and we are littered with garbage made by human beings for our daily life, our natural ecological environment will become worse and worse. So, we must first start from everything around us, from everything in the country, bit by bit, to develop a

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kind of conscious resource conservation The awareness of environmental protection and health management and good health management habits to protect the natural ecological environment. To awaken our awareness of environmental protection can enable the residents in our community who are in a hazy state of awakening to improve their environmental awareness through activities. At the same time, the staff of the environmental protection management unit can grasp the different views and objections of the residents in the community, and further improve the system and measures for improving environmental protection, In order to gradually improve the quality of ecological environment management in our community and the comprehensive quality of community residents, it will also be very helpful. Cultivate a sense of environmental protection and health and good health habits of saving resources and protecting the ecological environment, and contribute to the construction of beautiful villages.

3. Discussion and In-depth Analysis

According to the results of the survey, rural garbage and sewage have not yet caused extremely bad consequences, but the signs of deterioration in their development have emerged. Nowadays, the urban environmental problems have attracted much attention, and all sectors of society have shown the momentum of "environmental protection fever". The research on environmental protection and the implementation of relevant measures have achieved certain results. By choosing this time to publicize the awareness of environmental protection and the concept of sustainable development to the countryside, and introducing the successful experience of urban environmental protection, and adopting the successful experience according to local conditions, more efficient results can be achieved.

Based on the comprehensive analysis of the results of the interview and questionnaire, we believe that the current garbage and sewage treatment problems in rural areas (especially Nanxiong City) are concentrated in the following three typical problems:

① The villagers' awareness of resource conservation, recycling and even environmental protection is weak;

② With the progress of urbanization, the production speed of rural garbage and sewage is increasingly faster than the digestion speed of the rural natural ecosystem. The lack of garbage and sewage treatment system leads to the deterioration of the rural natural environment;

③ As the rural economy is still in the primary stage of transformation from the primary industry to the secondary and tertiary industries, the economic foundation is relatively weak, and the funds for environmental protection are tight, so the effect of environmental protection is not satisfactory.

To solve the potential problems of rural garbage and sewage treatment, reasonable control of the above three basic situations is a breakthrough. As far as the three issues are concerned, there is a relationship of mutual connection and mutual restriction between them. On the one hand, the villagers' awareness of environmental protection is directly conducive to the establishment of the rural garbage and sewage treatment system and the implementation of relevant protection policies, while the promotion of the treatment system requires a certain amount of expenditure, and the willingness to spend funds to treat rural garbage and sewage requires a strong awareness of environmental protection. On the other hand, the villagers' awareness of environmental protection restricts the implementation of the village's environmental protection system, that is, the garbage and sewage treatment system, and the effect of this system also largely determines the follow-up funds spent on this issue in rural areas. Therefore, we must consider this issue comprehensively, so that the three basic situations can develop in harmony and ease together.

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However, the meaning of coordinated development is not synchronous development. Due to limited investment, we must choose a key point to drive the change of the whole situation. This group believes that the government should take the lead in establishing a primary garbage and sewage treatment system in the village, implement it by combining encouragement and compulsion, educate the villagers on environmental protection, combine environmental protection with the concept of increasing income and reducing expenditure, and turn waste into treasure, reduce household resource expenditure, comprehensively recycle the garbage resources in the village, and gradually relax the government's supervision on garbage treatment, We will promote the industrialization of waste treatment and take a systematic and procedural approach to rural waste treatment, which is guided by the government and endogenous and independent in rural areas.

4. Solutions to Problems and Optimization Suggestions

4.1. Government Management

In Terms Of The Utilization Of New energy in rural areas, the utilization of new energy can not only improve the environment, but also promote economic development, killing two birds with one stone. In this regard, we should use the effective conditions of each village, build various new energy infrastructure, and improve the efficiency of energy use. Improve the environment and promote economic development.

4.2. Technology Application Level

First of all, the problem of waste classification needs to be solved. The main factors that restrict the development of waste disposal and utilization industry are: no direct classification and recycling facilities, weak scientific and technological development capacity, backward harmless treatment technology, insufficient application of waste recycling technology, and lack of strong, long-term incentive and restriction mechanisms for waste disposal and comprehensive utilization. Therefore, it is urgent to adopt new technologies and systems to solve relevant problems, save energy and reduce pollution emissions.

4.3. Ideology

In terms of environmental protection treatment efficiency, although some rural environmental protection has relatively complete infrastructure, due to inadequate publicity, it is difficult to eradicate the bad habits of the masses, and the ideological awareness of some cadres is not in place, making progress in environmental protection treatment efficiency slow. For this, we should strengthen publicity, carry out publicity and education through various channels such as Huang Bo, TV, newspapers, and the Internet, so as to improve people's environmental awareness. For cadres, We should take environmental protection as an important consideration of their achievements. Strengthen environmental law enforcement.

4.4. Practical Operation Level

In terms of environmental protection treatment capacity, we need to increase capital investment, because a large number of rural environmental protection has caused a lack of adequate environmental protection infrastructure to rectify it, such as simple garbage dump facilities, lack of adequate garbage trucks, delayed garbage collection and transportation, and the treatment equipment of the sewage treatment plant needs to be improved, so we need to increase the investment of special environmental protection funds to solve these infrastructure investment problems.

ISSN: 2710-0170

4.5. Fund Use Level

A huge problem faced by rural garbage pollution control is the serious shortage of capital investment. At present, there is no special fund for rural environmental protection in the national public financial expenditure. Banks, enterprises and social funds rarely participate in rural environmental protection construction. Rural environmental protection financing channels are very limited and funds are very scarce.

The direct consequence of the current insufficient investment in rural garbage pollution control in China is that we have failed to truly realize large-scale and all-round garbage pollution control projects, so as to develop a multi-level and diversified rural garbage treatment industry that cannot be transformed from scrap metal recycling industry to sewage treatment enterprises.

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