

A Brief Analysis of the Problems and Countermeasures of Sewage Treatment Project in Urban Environmental Protection

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Abstract:

With the development of urbanization in our country, the overall improvement of the economic level, all kinds of industrial wastewater as well as the urban household living sewage quantity is increasing, urban sewage treatment plant as industrial wastewater and domestic sewage end purification workshop, its operation has a significant role on water environment protection. This paper mainly explores the problems and countermeasures of sewage treatment projects under environmental protection, analyzes the main problems existing in China's sewage treatment projects under the current situation, and puts forward countermeasures for sewage treatment projects combined with specific problems.

Keywords:

Environmental protection; Sewage treatment; Sewage governance; Issue

1 Introduction

With the increasing number of urban population, coupled with the continuous improvement of industrial production level, the discharge of all kinds of industrial wastewater and domestic sewage is also increasing, sewage treatment problem has been an important problem faced in the process of urbanization in China. In order to protect the water environment function of the water body, protect the water quality of the drinking water source and reduce the discharge of pollutants, a large number of sewage treatment projects have been rising, and various measures have been taken to prevent and control water pollution, and good results have been achieved. However, there are also some problems in the rapidly developing sewage treatment projects in our country. This paper has launched a series of probes into the existing problems and specific countermeasures of sewage treatment projects. However, there are some problems in the rapidly developing sewage treatment projects in China. This paper has launched a series of probes into the problems and specific countermeasures in the sewage treatment projects.

2 The main problems existing in sewage treatment projects

2.1 Insufficient preparation for preliminary work

In the preliminary work of water pollution control, the feasibility and efficiency of the treatment will be studied and estimated, and the construction scale, invested funds, construction technology and operation effect of the sewage treatment project will be demonstrated. In the actual sewage treatment process, due to the development of the market economy and the increase of the scale of the city, there is an error between the judgment of the previous work and the actual situation, and there is not enough data for theoretical support in the assessment of the degree of water pollution, so it causes great trouble to the follow-up work. In addition, in order to promote the construction of the project, the managers of many cities often do not pay enough attention to the preliminary preparations.

2.2 The treatment technology is not exquisite

Many cities took a fluky chance after the country first launched sewage treatment work, so they delayed the best time to investigate sewage treatment. However, when treatment is necessary, the time becomes more urgent. Due to the lack of

preliminary research and experiments, cities will directly choose treatment processes with shorter operation cycle and faster treatment. However, these processes cannot meet the sewage treatment needs of some large cities, especially the sewage treatment plants near the reception industrial parks. The water quality of its sewage is often very different, if the targeted treatment process is not selected, the sewage can not reach the standard discharge.

2.3 Sewage collection pipe network is not compatible

Sewage collection is a very important part of the sewage treatment process, but as far as the current situation is concerned, the sewage collection network in many old urban areas has been damaged, and some urban sewage collection network is not complete, resulting in the timely treatment of urban sewage.

2.4 Backward ideology

Although environmental issues have received most of the attention in recent years, some people still resist for the sake of interests, and the ideological awareness of environmental protection is relatively backward. Because sewage treatment work is a matter of accumulation over time, and it is not possible to achieve results overnight, some cities will one-sidedly think that sewage treatment work is a money-losing job, and are unwilling to invest in the establishment of sewage treatment systems. Even if there were, it was only for the sake of coping with the examination, and it did not have a practical effect, and the ideological awareness needs to be improved urgently.

2.5 Late Maintenance is not timely

The main discharge channel of urban sewage is the urban pipe network, which is responsible for both the collection of urban sewage and the transportation of urban sewage. If there is a problem in the pipeline network, then it is impossible to ensure the smooth flow of the pipeline, which will cause a very bad impact on the residents of the city. In the course of our country's urban construction, the phenomenon of pipeline breakage or pipeline blockage often occurs, especially in remote areas. The main reason for this phenomenon is that the relevant responsible departments do not maintain the pipe network in time.

2.6 Lack of supervision and management

At present, there are big loopholes in the management of pollution control facilities in China, there is no perfect rules and regulations, the management link is weak, and because the staff of the environmental protection department is less, the technical equipment is relatively aging, so many large projects of sewage environmental treatment can not be solved in time.

3 Improvement measures of sewage treatment projects

3.1 Planning of sewage treatment facilities

Before sewage treatment, we need to layout and plan the sewage treatment facilities. In the planning process, we should adhere to the principle of combining development with reality, combining long-term goals with short-term goals, and combining the surrounding environment with water body protection, so as to ensure the smooth progress of sewage treatment work. Some urban sewage treatment facilities can not be established at one time and need to be implemented in stages, and for areas with branch construction, it is necessary to supplement and improve the corresponding construction after the completion of the main road.

3.2 Establish a complete pipe network system

The efficiency of urban sewage treatment has been relatively low, and we need to take effective measures to improve it. At present, the most ideal measure is to improve the pipe network system and give full play to the benefits brought by the facility. For the lot that has perfect facilities, it is necessary to investigate the actual treatment of the situation, and if the problem is found, it is necessary to solve it in time. For the areas with imperfect pipe network, we should strengthen the construction of pipe network and improve the efficiency of sewage treatment.

3.3 Improve the management capacity of environmental protection departments

First of all, we must establish a sound supervision and management system, and secondly, we must urge the

environmental protection department to strictly enforce the law. For areas with poor environmental awareness, we must not only expand the publicity and education work of environmental protection and pollution control, but also strictly handle it according to law, clarify responsibilities, and strengthen the management of facilities. For environmental management personnel to carry out regular training work, improve management ability and professional skills.

3.4 Strengthen subsequent maintenance

The later maintenance work plays a very important role in improving the work efficiency of sewage treatment project. Therefore, the blockage and damage in the pipe network should be checked regularly and maintenance work should be carried out in a timely manner, so as to ensure that the collection of sewage in the pipe network can be carried out smoothly. For the suburbs, more attention should be paid to the maintenance of the pipe network, so as to avoid the impact on urban residents.

3.5 Give play to the macro-control role of environmental economy

The problem of sewage treatment under environmental protection can be realized through the macro-control of environmental economy, which can not only control the cost of water pollution treatment, but also eliminate the worry of water pollution control. Different cities choose different sewage treatment methods due to regional differences. If the method is not appropriate, it will lead to the cost of treatment is higher than the actual, making the water pollution treatment in a passive situation, affecting the overall image of the city and the enthusiasm to improve the environment. Therefore, urban sewage treatment can rely on economic means such as tax collection, credit and discount interest compensation of environmental protection loans, so as to achieve better economic regulation.

Conclusion

The treatment of urban sewage is a complex and holistic project, so we not only need to improve in technology, but also need to improve in the ideological level. For the problems existing in the current sewage treatment project, we must formulate targeted solutions in a timely manner, always pay attention to the sewage treatment dynamics of the enterprise, do supervision and management work, ensure the smooth progress of sewage treatment work, and ensure the normal life of residents.

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