

# A Study on Comprehensively Improving the Quality of Rural Living Environment in Tianjin

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**Abstract.** The improvement of living environment is a key content of improving rural environment and promoting rural development. The report of the 19th national congress of the communist party of China stressed that in implementing the strategy of rural revitalization, it has always been a top priority for the whole party to solve the problems of "agriculture, rural areas and farmers", and improving the rural environment is one of the key issues to be solved urgently. It is of great significance to improve the rural environment and have a far-reaching impact on solving the problems concerning agriculture, rural areas and farmers. In recent years, the party and the state have adopted a series of measures to improve the rural living environment. In this paper, in order to enhance rural residential environmental quality of Tianjin as an example, the method of using visit investigation, the cities chose representative six natural villages, respectively is the blending of suburban Fried shop village, type of suburban LiuTan Village and line 2 village, river village, four xiaotun village, village north zhu chuang of the pure agriculture and leisure agriculture tourism village of thistle states united. Through investigation and study, we hope to explore the overall situation of rural human settlement environment in Tianjin as well as the common problems, and work out targeted solutions to contribute to improving the quality of human settlement environment.

## Introduction

In recent years, the party and the state attach great importance to improving the quality of rural living environment. The report of the 19th national congress of the communist party of China stressed that we should implement the strategy of revitalizing rural areas, always make solving problems related to agriculture, rural areas and farmers a top priority in the work of the whole party, focus on solving prominent environmental problems, and carry out a campaign to improve the living environment in rural areas. This study through to the Tianjin rural living environment survey, analysis of Tianjin rural to the improvement of living environment problems, solutions to problems, to improve their words and Tianjin rural living environment, improve the living environment, improve the quality of rural revitalization strategy, completed the country revitalization of the strategic objectives.

## Definition of Human Settlement Environment

### Historical Origin of Human Settlement Environment

The famous Greek architect doussadias put forward the concept of "human agglomeration" after the Second World War, which marked the comprehensive, systematic and scientific study of human settlement environment. Chinese architect wu liangyong first proposed the establishment of "human settlement environment science". From the perspective of problems, he proposed that "human

settlement environment science aims at the practical problems in urban and rural construction and tries to establish a new subject group centering on the coordination between human and environment and taking residential environment as the research object".

**Definition of human settlement environment.** Human settlement environment refers to all human settlements and their environments, including villages, market towns, cities and regions. It is a general term for the natural, political, economic, social and cultural conditions of human settlements. It is also a complex of various factors that affect human survival and development.

### **Current Situation of Rural Living Environment in Tianjin**

By consulting the website and news media literature of Tianjin municipal government, the relevant policies and solutions issued by Tianjin municipal government to improve the living environment were sorted out. Combined with this investigation, the current situation of rural living environment in Tianjin was summarized and analyzed.

The government formulates governance measures and insists on giving priority to the system. In response to a national rural revitalization strategy of Tianjin government and rural living environment calls for a clampdown, the thought of socialism with Chinese characteristics in jinpings new era and the report as a guide, the party's 19 since 2018, Tianjin has established "the Tianjin rural living environment regulation action plan for three years, has been clear about the 2018 and 2020, Tianjin rural living environment renovation work objectives and major tasks. Efforts have been made to steadily improve the ability to treat rural household garbage, steadily improve the level of sewage treatment in rural areas, steadily advance the "toilet revolution" in rural areas, significantly improve the appearance and appearance of villages, and constantly deepen the control of non-point agricultural pollution. By 2020, 100 percent of rural household garbage will be treated in factories. Planned and reserved village domestic sewage 100% standard discharge; Rural dry toilet 100% reconstruction; Rural roads are 100% cultivated. 100% coverage of village environmental improvement; The control level of agricultural non-point source pollution has been significantly improved. By 2022, 1,000 beautiful villages will be built, and by 2025, all the planned villages will be built into beautiful villages with strong industries, complete facilities, excellent environment, rich collectives and strong public support, striving to be the first in China to achieve rural revitalization.

Gradually standardize the layout planning of villages. According to the investigation, different types of villages adopt different planning methods according to the actual development needs. The layout of chaomidian village has been fully incorporated into the urban planning. The original land has been divided into residential areas, industrial development zones and agricultural development zones. According to the characteristics of the terrain and the needs of tourism development, united village is divided into three regions. Second district development picking garden, fruit tree planting; Three areas to develop special livestock. However, there is a lack of unified and reasonable planning for the layout of the villages, such as one village and two villages, daliutan village and sixiaotun village, which brings difficulties to the management of human settlements.

**Continuous improvement of infrastructure.** Improving infrastructure construction is an important part of improving the quality of rural living environment. After investigation, due to the needs of developing tourism, the infrastructure of lianhe village has been constantly improved, with convenient transportation, complete water and power grids, and good communication, meeting the needs of production and life. There is still room for further improvement of infrastructure. Chaomidian village as a model of suburban integration, infrastructure construction perfect, has reached the standard of urban life. But in other villages, there is still much to be improved in terms of infrastructure construction. The construction of infrastructure in these villages is uneven and the standard is low, so it is necessary to continuously strengthen investment and further build and improve infrastructure to meet the needs of rural life.

Villagers' awareness of improving human settlements and environmental protection has been continuously enhanced. As the main force in the improvement of rural human settlement environment, the improvement of the quality of human settlement environment should first enable

villagers to have a sense of identity and mission for the protection of human settlement environment. After investigation, we know that there are still some gaps between villages in improving the awareness of rural living environment. For example, due to the close integration with urban communities, the management and education of governments at all levels, the public's awareness of environmental protection is generally strong. United village, due to the development of tourism, the villagers for the urgent need to improve the quality of living environment, for a long time to adhere to strict environmental quality management, environmental awareness of the protection of human settlements gradually improved. However, due to the lack of publicity in other villages, the villagers do not care much about the quality of human settlements and other reasons, the villagers' awareness of protecting human settlements needs to be improved.

### **Existing Problems in the Process of Improving the Quality of Rural Living Environment in Tianjin**

Since Tianjin began to regulate the rural living environment has made a lot of gratifying results, but in the process of regulation or appeared a lot of problems, need to pay attention to the government at all levels.

Lack of planning for rural living environment. Although Tianjin municipal government plans for rural functional areas, there are still some problems such as unreasonable planning and inadequate implementation. After investigation and study, it is found that all villages with reasonable and scientific environmental planning have effective and thorough environmental governance effects, and chaomidan village has achieved reasonable planning and a beautiful and tidy overall environment. United village only to do the overall planning, the lack of detail. These villages are naturally developed due to their primitive and historical factors. The living environment of these villages is generally poor, and there are dirty, chaotic and poor conditions. Therefore, it is an arduous task to plan the living environment.

Lack of human settlement environment protection system and weak supervision. Although the task of human settlement environment improvement has been proposed, there are few supporting rules and regulations, laws and regulations. The municipal, district, town and village levels have not formulated rules and regulations and administrative measures according to the actual situation of the jurisdiction they are in. For example, in the survey, we found that these villages did not introduce corresponding management measures to improve the quality of rural living environment, and the government only passively accepted some renovation measures. The responsibility of supervising the improvement of human settlement environment falls to the comprehensive law enforcement and some administrative departments, which also produces some grey areas without supervision and hinders the improvement of human settlement environment to a large extent.

Imbalance in public infrastructure and basic public services. Due to the differences in economic development, different villages in different regions have the problem of unbalanced public infrastructure and basic public services. According to the research, chaomidan village with a higher economic level can provide a higher level of basic public services and better infrastructure. However, in some poor economic development level of the line river village two villages, four small village, daliutan village, etc., the level of public basic services are slightly poor, infrastructure construction needs to be improved. Although the roads have been hardened, some of them are in disrepair. The street lamps have been used for a long time and some of them are damaged and in disrepair. There are unlit areas in the village.

The problem of pollution still exists. Through the efforts of the Tianjin municipal government, a number of remediation measures have been implemented, and the pollution problem in Tianjin has been alleviated, but there is still some pollution. Through investigation and study, it is found that most rural areas in Tianjin have not realized the mechanization and large-scale modern agricultural production mode, and farmers' irrational use of chemical fertilizers, pesticides and other agricultural materials, as well as their delayed disposal of wastes and packaging bags have caused pollution to rural land that cannot be recovered in a short time. The production of household garbage has not been classified. The water supply of these villages has not yet realized tap water. Most of them use

groundwater or well water, and the pollution of water source has affected the health of villagers.

The appearance of the village was damaged. Traditional villages are a special carrier to display Chinese culture and maintain public emotions. Traditional villages should be protected and inherited. When the suburban integration of chaomidan village is completed, traditional villages are destroyed. The lack of inheritance and development of rural characteristics and excellent culture is not conducive to the diversified development of society. Line river village two villages, four village green rate is not high. These problems to the appearance of rural villages labeled dirty, messy, poor.

### **Suggestions on Improving the Quality of Rural Living Environment in Tianjin**

Adhere to scientific and reasonable planning and construction. After investigation, it is found that most of the rural areas in Tianjin are mainly inhabited by villages, which are naturally developed villages and lack of scientific and reasonable planning and construction. We should make a scientific and reasonable planning based on the actual situation of rural areas and local conditions. We should not engage in blind construction and "no planning, no construction". We will focus on improving the appearance of rural villages, preserving their features, inheriting their fine culture and retaining their homesickness.

Adhere to the system first and strengthen environmental supervision. To speed up the improvement of rural living environment in Tianjin, the first step is to establish a living environment system with the linkage of cities, districts, towns and villages. Secondly, it is necessary to clarify the jurisdiction of management, solve the overlapping functions of the functional departments of human settlement environment supervision, establish special responsibility supervision departments, and strengthen environmental supervision. Finally, it is necessary to improve the laws and regulations on human settlement environment, formulate special laws and regulations for management, and strengthen law enforcement to ensure that there are laws and regulations to be followed.

Increase investment in human settlement environment. It takes a lot of time, capital and manpower to improve the quality of living environment. We will give full play to the role of the government in providing policy support, financial support and technical guidance for improving the living environment. We will improve the quality of human settlements. It is a costly project to coordinate the government, enterprises and individuals to provide diversified funds to support the development of rural living environment. At the same time, we should encourage rural development and bring some favorable policies to the rural people. We should set up special funds to encourage actions to protect the natural ecological environment, such as using clean energy, using pollution-free pesticides and chemical fertilizers, and offering economic subsidies, tax breaks and other fiscal policies.

Implement equalization of infrastructure and basic public services. To address the imbalance between urban and rural infrastructure and basic public services is not only the focus of improving the quality of human settlements but also an important part of the implementation of the strategy of rural revitalization. We will give more support to backward villages, such as shanghe village, shitun village and sixiaotun village. We will improve the rural road network and repair and maintain old and dilapidated roads. Improve the maintenance and maintenance of facilities. We will increase funding for education and medical care, introduce advanced technology and high-quality personnel at the grassroots level, and ensure equal access to educational and medical resources. We will increase old-age pension benefits in rural areas, build old-age care centers and activity centers for the elderly in proportion to the number of such centers, and raise pension benefits and holiday benefits.

Further solve the problem of environmental pollution. We will step up efforts to address pollution sources in agriculture, increase publicity, advocate the rational use of pesticides and chemical fertilizers, and encourage the use of ecological and organic agricultural production methods. In production and life, we should advocate garbage classification, popularize garbage classification knowledge, and complete necessary facilities. Each region unified sewage treatment system, the sewage harmless, recycling. We will use tap water in a unified way to reduce the indiscriminate use

of low-quality water sources, ensure people's drinking water is healthy, and ensure the overall improvement of the quality of rural living environment in Tianjin.

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