

On the Ecological Concept in the Design of Environmental Art

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Abstract: With the continuous development and progress of modern society and economy, the quality of human life and living standards continue to improve, but also pay more attention to environmental and ecological issues. Human beings cannot survive without their environment, which is essential for human health. However, with the accelerating process of industrial production, it poses a great threat to the ecological and natural environment of our country. The ecological problems such as air pollution and water pollution all have a great impact on human production and life. Therefore, the development pace of environmental design should be accelerated, and the ecological concept should be reasonably integrated into it. Only in this way can the emergence of ecological concept problems be avoided as far as possible, so as to promote the benign development of the environment.

1. Introduction

Environmental art is to take a specific environment as the object of development and design, and then comprehensively consider the factors existing in the environment, further analyze the connection and conflict between each factor, and select the most appropriate materials for layout planning. The main purpose of environmental art is to guarantee the carrying capacity of the environment and achieve the harmonious coexistence of artistic beauty. The ecological concept refers to a concept that individuals and nature can achieve harmonious development and coexist, which is conducive to promoting the rational allocation of resources. Under the vision of modern social economy rapid development, our country ecological environment suffered great damage and harmful to environment better development, the application of ecological concept to the environmental art design, make the two organic combine, not only can improve the natural environment, but also can promote the sustainable development of ecological environment.

2. Ecological Concept in the Design of Environmental Art

First, air pollution. In the process of modern social development, coal burning is the main cause of air pollution in China, and automobile exhaust emissions are also a key factor. For different regions, different degrees of air pollution will occur. For example, in northern China, coal burning will be used for heating in winter, and coal burning will release a large number of suspended pollutants from the boiler. In Sichuan, south of the Yangtze River and the Qinghai-Tibet region, the

burning rate of sulfur and coal is very high, which causes acid rain frequently. Up to now, China not only has a serious environmental problem in acid rain, but also emits a lot of sulfur dioxide, which causes serious air pollution in China. Second, water resources are scarce. In recent years, although the state has strengthened the treatment of wastewater treatment and industrial pollution and other related aspects, and achieved good results, however, the overall urban sewage discharge is still only increasing, and the sewage discharge cannot match the sewage treatment. Due to the serious water pollution and the lack of water for residents, some cities will choose to exploit a large number of groundwater, which leads to the increasingly serious problem of water supply, posing a great threat to the safety and health of water and the normal life of social residents. Thirdly, the urban pollution ecological problem. With the passage of time, all kinds of household waste and industrial waste are increasing. According to relevant statistics, the total amount of waste has exceeded 6.6 billion tons, occupying an area of more than 50,000 hectares. These data lead to many cities falling into the “garbage heap”. In addition, with the increasing number of automobiles, the overall emission of automobile exhaust is also increasing day by day, which causes more and more serious urban ecological pollution.

3. Application Principle of Ecological Concept in Environmental Art Design

First, science guides the basic principle. In environmental art design, the basic principle of scientific guidance should be placed in a key position. Only by making science progress and develop continuously can environmental art design develop rapidly. With the continuous development and progress of modern society, many advanced science and technology have been widely used and developed in the society. Moreover, the application of modern new technology in environmental art design can effectively save resources and fully present the ecological concept. In addition, modern science and technology can create a high-quality ecological environment. Therefore, science and technology should be used scientifically and rationally in environmental art design. Only in this way can environmental design meet the actual requirements of ecological concept. Second, the basic principles of art design. From the perspective of ecological concept, it not only pursues a single environment, but also pays attention to the integral environment formed by the organic combination of various factors. The so-called environmental art design refers to the use of a special mode of artistic expression to reasonably integrate ecological ideas into it, so it needs to abide by the basic principles of artistic design and artistic participation, which is decided on the basis of artistic quality. However, for environmental art design related staff, the main goal is not only to design a unique artistic beauty, but also to ensure that the design can fully meet the actual requirements of ecological concept. Third, the basic principle of natural development. It is well known that nature has a strong ability to repair itself, so the natural property on behalf of the environmental art design needs to be addressed, but also should be rational scientific applications of natural property issues, only such ability can get effective protection of ecological environment recovery, at the same time put forward great challenge of environmental art design. Fourth, the principle of minimum intervention. According to the requirements of ecological concept, environmental art design should try its best to minimize all kinds of external interference, so as to ensure the natural ecological environment to maintain its original state. However, in the actual process of environmental art work, the site environment can not be completely protected, and the impact on the local environment is also uncontrollable.

4. The Application of Ecological Concept in Environmental Art Design

4.1 Establish the Correct Environmental Design Concept

Modern society belongs to scientific society, and science and technology are the primary productive forces for the development of modern society. With the continuous development of science and technology, people's living quality and living standard are continuously improved. Therefore, environmental art design needs to be organically combined with the development view of modern science and technology. According to the rational use of various new technologies and tools in modern society, we will continue to improve the design ability and level of designers, so as to create a better and more perfect ecological environment for society and human beings. For example, the generation of new materials, the research and development of new energy sources, the application of new design technologies and the recycling and use of various resources and materials in society are all benefits brought by modern high-tech technology to social development. Therefore, when carrying out environmental art design, designers and related staff need to scientifically and rationally use modern high and new technology, so as to make people's life more convenient and more comfortable.

4.2 Taking the Natural Environment as the Basis of Design

Environmental art design should take the natural environment as the benchmark. Only by comprehensively applying environmental factors and carrying out in-depth analysis of the social and natural ecology, can environmental art in line with the law of natural development be designed. For example, the vegetation, water, landform and geological conditions of the design area are all factors that the environmental art designer needs to consider. According to the comprehensive investigation and understanding of the actual environment, the scientific and reasonable design of the environment, the organic integration of artistic beauty and environmental design, and then on the basis of protecting the natural ecological environment can also save costs. In addition, taking the natural environment as the premise of artistic design can also achieve energy conservation and emission reduction, and fully present the natural ecological beauty, which is also the key concept of the development of modern ecological environment. At the same time, the environmental art design can be organically combined with the local characteristics of the environment, so that the surrounding environment and local geographical characteristics can be integrated, and then a natural landscape with local personalized characteristics can be formed. For example, the natural environment can be fully used in the actual design process for some exotic flowers and famous flowers, ancient trees and stones, as well as the terrain and landform with a sense of hierarchy and undulation, and the scientific and reasonable design can be carried out, thus presenting the ornamental and practical value of environmental art design.

4.3 Attach Importance to the Comfort of Environmental Art Design

With the continuous development and progress of modern society and economy, the quality of life and living standard of human beings are continuously improved, not only pay attention to material satisfaction, but also pay attention to the pursuit of spiritual level. In terms of environmental art design, the implementation of all design activities should be based on the natural environment. In this process, both the initial result and the final goal are for the harmonious coexistence of human and nature. Only in the harmonious coexistence of the two, can the spiritual pursuit of human be truly satisfied. Therefore, in the development of environmental art design, a series of human needs for environmental art should be fully considered, fully meet human requirements for art, pay attention to the convenience and functionality of environmental art design, and effectively improve the sense of comfort and comfort of environmental art. At the same time, in the actual design process, we should not only pay attention to the protection of natural ecological environment, but also should pay attention to the protection of human health, fully meet the

spiritual needs of human. In addition, designers should pay attention to the fact that environmental art is not only aimed at the general public in society, but also should take vulnerable groups as the center and give special care and concern to young children and the elderly, so as to continuously improve the functionality and value of environmental art design and lay a solid foundation for better application of ecological concepts in environmental art design.

5. Conclusion

To sum up, the application of ecological concept to environmental art design plays a very important role in promoting the continuous development of ecological environment. Therefore, in order to effectively improve the ecological natural environment and better allocate natural resources, “people-oriented” should be taken as the main design concept to guarantee the comfort and artificiality of environmental design, so that people and the natural ecological environment can achieve harmonious coexistence.

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