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NOISE CONTROL FOR A BETTER ENVIRONMENT

Regional noise environment planning and Prevention Strategy. A Case Study of Xiamen

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ABSTRACT

China's urbanization has accelerated the development of the city, it also brings harm to the environment. In all kinds of environmental hazards, environmental noise problem has not received widespread attention. Noise pollution not only affects the harmonious construction of society, but also may interfere with the living environment and psychological environment of citizens. This project selects Xiamen City which is in high-speed development as the research objective. According to the corresponding zoning standards and division basis, the statistic data of fixed-point monitoring of sound environment in Xiamen City in recent ten years can be collected. In addition, the noise over-standard rate of each environment functional area and the corresponding land types are analyzed, which are in order of Class 1, Class 2, and Class 3 regions. According to the current layout of the city and the needs of urban development, the suitable sound zone is designed by using natural terrain such as roads, rivers and green spaces as regional boundaries. Finally, the regional sound pollution environment can be alleviated and improved by controlling traffic noise pollution, social noise pollution and industrial enterprise noise pollution.