・研究課題名＝A study of the development of safety and security system in facilities and technologies of waste disposal and recycling system

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・要旨（200 語以内）＝

As industrial techniques were upgraded and the quality of garbage began to change, disposal facilities had to become increasingly more complex systems. It became more difficult to maintain good design and operation for disposal system. The number of accidents and other types of hazards were happening more frequently. The purpose of this study was to construct systems that will make disposal facilities safer by development method and system.

We constructed ATHDB-all that collected accident, trouble and HIYARIHATTO case happened by the original format. And STDB was constructed by investigation hearing to experts. We use two databases to improve waste disposal system.

individual facilities have important information. We upgraded collecting tool and continually collect information and the effect was confirmed. We developed the method of inferring the accident etc. that did not happen from information, information that facilities needed was analyzed automatically by the program, and the program displayed as APT.

SAD with STDB was upgraded and the combinations of techniques were examined. Moreover, software was developed.

Generally, it was shown to use them to improve safety by applying each technique and the system for the improvement of safety in the waste disposal facility to real facilities.

・キーワード（5 語以内）＝safety and security , waste disposal and recycling system , database , risk assessment , training