

Study on setting goals of the improvement program in combined sewer

Whole term

2001.6-2002.3

(Purpose)

In this study, information which is needed to set improvement goals in combined sewer in order to promote remediation measures in the future were collected regardless of home or abroad.

(Results)

(1) The data in 6 cities was arranged in the following points.

① Abstract of combined sewer area, ② Abstract of simulation, ③ Conditions of simulation, ④ Removal efficiency of contamination substances in wastewater treatment plants, ⑤ The method to calculate the same efficiency as separate system, ⑥ Basic data used in the examination of remediation measure facilities, ⑦ Abstract of storage facilities, ⑧ The definition of storm event, ⑨ Abstract of remediation measures

(2) The data was collected in the assumption that improvement goals are reduction of pollution load, public health safety and improvement of landscape, etc.

- ① Reduction of pollution load : The data was analyzed in order to refer measures at the same level as separate system as an example of model cities.
- ② Public health Safety : Examples of attitude of important effect water area, disclosing information to citizen and importance of citizen participation in United States were investigated. Moreover, examples of disinfection were investigated not only in United States but also in Europe.
- ③ The improvement of landscape, etc.: The technique which can remove trash in outfalls was elected, afterward the contents of the technique was investigated.

(Summary)

In this study, one of the important problems in sewer, the improvement of combined sewer, was picked up, afterward the data was collected for setting concrete goals. Above all, the improvement programs have not been compared in various cities in the same aspect as this study, Therefore, this study can be helpful method for advancing the improvement program in the future.

In addition, some results in this study were used in the discussion of “The community of remediation measures of combined sewer” set up in Heisei 13 fiscal year.

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Key words

Improvement of combined sewer, Reduction of pollution load, Public health