

## Survey Study for Establishment of the Five-Year Plan about New Sewerage Technology

Whole term

1999.10 - 2000.3

### (Purpose)

The social environments enter to the phase of changes. Thus, regarding to the sewerage maintenance, the further effective way, which corresponds to future changes and suitable for the needs of the citizens, is required. Moreover, various responses from regional environment preservation to global environment preservation have come to be required. Taking the changes of the situation surround sewerage into consideration, the Five-Year Plan about New Sewage Technology set up key tasks in the 21st century, to identify the technical development items for realizing these key tasks and showing goals for concrete research and development in five years which are comparatively short period of time viewing long-term goals.

In this amendment, the executive meetings and the working groups were held and the examination of the contents of amendment was performed in June 1998. In July 1999, the meeting “The Committee of Sewer Technology for the Five-Year Plan” was held by a attendance of academic experts, etc. and had deliberations about the contents. Moreover, during this period, the questionnaire surveys and opinion polls were conducted to each organization which engaged in technical developments and the sewerage persons. Afterwards, the results were summarized.

### (Results)

(1) The composition of “Five-Year Plan about New Sewage Technology” is summarized and their results are shown as follows :

#### 1) Background of establishment

The progression of sewerage technologies and the main technologies developed in the former Five-Year Plan about New Sewage Technology, the achieved roles, the effects, etc. were comprehensively reviewed. The technical development items which should be constructed in the 21st century were also reviewed and arranged.

#### 2) Fundamental view

Based on the requests from citizens and societies about sewerage system, ① the generation of good water environments, ② safety, safe and comfortable town planning, ③ the formation of energy saving recycling-oriented society, ④ the efficient business promotion, and ⑤ the advancement of accountability were set up to key tasks in order to clarify the direction of future sewerage technical developments which can be used for solving these issues.

#### 3) Enforcement program of the technical development items

①the necessity of technical developments, ②the technical development goals which should be achieved and the contents of technical developments which are necessary to achieve, and ③the implementation structures of technical developments were summarized for every issue selected in the preceding chapter. Separated roles according to fields which organizations such as countries, local authorities, private sectors, universities, and other sectors can carry out efficiently and the implementation of evaluation before and after the fact by academic experts etc. proposed.

#### 4) Promotion measures of technical developments

It is important, with regard to development and introduction of sewerage technologies, to enhance management functions of the country and to separate roles according to the fields which each organization are good at, strengthen coordination and support.

(2) Briefing sessions for public bodies, private sectors, and other sectors were held in Tokyo and Osaka in order to announce this program.

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Key words

Energy saving, Recycling, Accountability