

## Survey on the formulation of the northeast block sewerage-vision

Whole term

2003. 7-2004.3

### (Purpose)

Sewerage has an indispensable role for the comfortable life of people, such as advancement in the public sanitation, and prevention and extermination of flood.

In recent years, rising of the consciousness to the preservation of earth environment, sewerage which plays role in the water quality conservation of public water, in a healthy water cycle and a good water environment has been more important than before.

Under these circumstances, aiming at matching the plan for improvement of social infrastructures, the issues of the sewerage project in the northeast area are arranged and analyzed, and the countermeasure is examined. Moreover, the "northeast block sewerage vision" is decided for serving as a basic policy of the future sewerage improvement that fully reflected the needs of the area by enforcement of PI in response to the proposal from the committee constituted by academic experts.

### (Progress)

"Committee of northeast block sewerage-vision formation" (committee: members specialists of sewerage, representatives of NPO, and representatives of the government) had deliberations on the target image for improving future living environment and water environment which taking into the consideration of local characteristic and future image of the northeast block, and present condition of the sewerage improvement.

Moreover, in order to establish the sewerage improvement targets and important measures suitable to the area, the questionnaire surveys were conducted sewerage workers and city (6 prefectures and 1 city), mayors and citizens. Then, "The Michinoku sewerage vision" was determined with open discussion. The correspondence to the present conditions of the environment (e.g. local characteristics and future image) related to the sewerage improvement in the block, the direction of sewerage improvement of the country and of importance-sizing of the control, the sewerage improvement of the northeast block, and the relation of the issues were designed.

### (Summary)

The theme of the northeast block sewerage vision is the follows:

"the Michinoku sewerage-vision - the water and the ground which cherish the rich heart for the next generation-." five Target images (catch-phrase) were set up from the view point of town planning and the community improvement, such as "public health", "safety and relief", "(water) environment", "contribution to society", and "communication (coordination and collaboration)."

These targets were set up based on the issues that mentioned from the local characteristic and the future image of the Tohoku district, the present condition and the new role of the sewerage development, the questionnaire about the sewerage enterprise to citizens, cities, and prefectures, and the direction of Japanese government policy.

1. Realization of comfortable living environment: implementation of the sanitary and comfortable living environment which everyone can enjoy from flush lavatory
2. Town planning tough to snow and disasters: improvement of the lifeline tough to a city flood and an earthquake, and contribution to the measure against snow
3. The beautiful water environment of the northeast: preservation the rich and beautiful water environment and water cycle of the northeast taken over to the next generation
4. The contribution to the environment: promotion of the effective utilization of biomass and contribution to environmental measures, such as prevention of global warming.
5. Promotion of the coordination and collaboration: promotion of the sewerage improvement opened for the area by collaboration with the coordination with other enterprises and the NPO.

Title: The Michinoku sewerage-vision - inheritance of the water and the ground which cherish the rich heart to the next generation -

1. Present Condition and Social Trend of Sewerage Enterprise in Northeast Block
  - The present and new role of sewerage, geology, climate, and the situation of natural disasters, and the social characteristic
2. Arrangement of Issues Concerning Sewerage Project of the Northeast Block
3. Proposal of Target Images Concerning Sewerage Enterprise of Northeast Block
  - Re-arrangement of the issues concerning sewerage enterprise, arrangement of the government direction of the sewerage improvement and priority of control, and the target image concerning sewerage

4. Mid- and Long-term Direction and Activity Cases

5. Issues for Realizing Target Image

- The issue arrangement for realizing the target image, the collaboration with private sectors (such as NPO), the utilization of PI, technical development, control of maintenance, and the utilization of PFI

6. Targets Advanced Preponderantly

- The arrangement of the activity in each Target image, the support measures of sewerage for the realization of target images, and the activity of the Development Bureau and each local government

Research funded by Ministry of Land Infrastructure and Transport

Tohoku Regional Development Bureau

Person in charge of study: Aisei Narita, Takumi Uchida

Key words

Vision of sewerage, Water environment, Recycling society