

Sewerage technology and the project of reviewing and certifying the technology

Whole term

1999. 4 ~ 2000. 3

(Purpose)

Ministry of Construction is engaged in installing systems to review and certify the self-developed construction technologies by the private sector, based on “Rules for technical review and certification of the construction technology developed by the private sector” (Ministry of Construction Bulletin No.1451-on July 28, 1987).

Japan Institute of Wastewater Engineering Technology plans to quickly adopt the innovative technology in the construction field and to improve construction technologies developed by the private sector, with an approval of the Minister of Construction (Ministry of Construction Bulletin No. 475 on March 2, 1993) based on the aforementioned rule. Therefore, they execute “Sewerage technology and the project of reviewing and certifying the technology” to upgrade the construction technology.

(Results)

In 1999 fiscal year, it was requested by fifteen private companies to review and certify nine technologies, and the reviewing and certification were done based on “Sewerage technology and instructions of reviewing and certifying the technology” (Japan Institute of Wastewater Engineering Technology). On this occasion, under the committee for reviewing and certifying the technology for rehabilitation of sewers (Chairperson of the committee: Tetsuya Kusuda, a professor of Kyushu University), five committees composed of academic experts were appointed for reviewing and certifying:

Committee for reviewing and certifying the system of sewers-(Chairperson of the committee: Naoki Matsuo, a professor of Chubu University).

Committee for reviewing and certifying the materials of sewers-(Chairperson of the committee: Yoshihiko Hosoi, a professor of Tottori University).

Committee for reviewing and certifying the treatment technology-(Chairperson of the committee: Michimasa Nakamura, a professor of Nihon University).

Committee for reviewing and certifying the corrosion preventive technology of concrete-(Chairperson of the committee: Naoyuki Funamizu, a professor of Hokkaido University).

Committee for reviewing and certifying the sewer treatment technology-(Chairperson of the committee: Masataka Sugawara, a professor of Osaka-Sangyo University).

Followings are the nine technologies granted to the committees for reviewing and certification, on 9th March, 2000:

- 1) Technology for rehabilitation of the joints in damaged sections of sewer [FRP photo inner repair system]
Client: Toa Group, Inc., SGC Corporation
- 2) Technology for complete rehabilitation of sewers including joints [SD liner system]
Client: Kansui Corp.
- 3) Manhole in which the height and slope are adjustable
Client: Takeda Corp
- 4) Steel concrete pipe for bendable propulsive system [SR propulsive pipe]
Client: H-NAC Co., Ltd.
- 5) Flexible joint for sewer-manholes [K joint]
Client: Keeper Co., Ltd.
- 6) Advanced treatment equipment using soil [Eco treatment system]

Client: Environmental Technical Laboratory, Ltd.

- 7) Sludge dewatering facility [highly pressurized belt press dewatering facility]

Client: Hitachi Metals, Ltd., Sumitomo Heavy Industries, Ltd.

- 8) Corrosion-preventive material for sewers [Zeomighty-antibacterial concrete]

Client : Shinanen Co., Ltd., Mitsui Mining Company, Limited, Kumara Gumi Co., Ltd.

- 9) System of corrosion-preventive coatings for sewer treatment systems [Surasura system]

Client: Hazama Corporation, NMB Group, Carbo-For Japan

Personnel in charge of the study: Takashi Ishida, Tetsuro Kaneko, Nobuhiro Motoshige,
Koichi Aoki, Kenji Uchida, Masanori Nakanishi,
Tsuyoshi Mase, Kazutomo Orita, Masako Goto

Keywords

Investigate verification, Sewer, Treatment technology