

## Sewerage technology and the project of reviewing and certifying the technology

Whole term

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### (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 2000 fiscal year, it was requested by nine private companies to review and certify ten 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-protective technology of concrete-(Chairperson of the committee: Naoyuki Funamizu, a professor of Hokkaido University).

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

Followings are the ten technologies granted to the committees for reviewing and certification, on 12<sup>th</sup> December, 2000:

- 1) Technology for complete rehabilitation of sewers [high pressure pipe system]  
Client: Kubota Corporation, Kurimoto, Ltd., Sekisui Chemical Co., Ltd., HOBAS Japan
- 2) Technology for rehabilitation of manholes [ICP breathing system/manhole lining system]  
Client: Shonan Plastic Mfg.Co. Ltd.
- 3) Technology for rehabilitation of damaged sections of sewers [L.H system]  
Client: Sumiyoshi Seisakusyo
- 4) Technology for complete rehabilitation of sewers [All liner system]  
Client: Asahi Tec Corporation, KANSEI co.
- 5) Flexible joint in sewer-manholes[Spacer Joint SR]  
Client: Sanritsu Corp., San Esu Industry Co.,Ltd., Shinmei Rubber Ind Co.,Ltd.
- 6) Second cover system of Shield Tunnel[poly ring system]  
Client: Okumura Corporation, Osaka Bousui Construction Co., Ltd.

- 7) Cleaning equipment of settled sand by an air-two directional-mixer [Sand clean]  
Client: San-Ei Co., Ltd.
- 8) Screw dewatering equipment of multi-plate type [Disk screw]  
Client: Terra Separator Co., Ltd.
- 9) Concrete- corrosion-preventive coating system [boshokuban system]  
Client: Kajima Corporation, Reo-group
- 10) Corrosion-preventive coating system for sewer treatment systems [NK flake SF system]  
Client: Mitsui Chemicals, Inc., Nippon CRM

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Keywords

Investigate verification, Sewer, Treatment technology