

The construction technology examination proof business (Sewerage technology)

Whole term

2004. 4~2005. 3

(Purpose)

We evaluate the performance of new technology of sewerage works relation, to introduce the new technology that a private enterprise developed newly to sewerage business smoothly.

Japan Institute of Wastewater Engineering Technology 'JIWET'

is being authorized that dose 'the sewerage technology/technology examination proof business' that is based on 'the sewerage technology/technology examination proof business authorization prescription of the private development construction technology' of Construction technology examination proof joint council from Ministry of Land, Infrastructure and Transport.

These technology examination proof businesses is the thing for that intends proper and the fast introduction to the sewerage business of the promotion and also new technology of the research development in a private enterprise and intends the improvement of sewerage technology standard. We do examination/proof about the contents of new technology to do so that sewerage business enforcement party feels relieved and are able to adopt the excellent sewerage technology that a private enterprise developed namely.

(Result)

In 2004 fiscal year, the examination proof concerning 29 technologies '4 update technologies, 3 modification technologies, 22 new technologies' was requested from 56 private enterprises, and the examination proof was done based on Construction technology examination proof business executive summary.

The system of the examination consists of examination proof committees according to the section under the examination proof committee. The member from academic background executed to the origin of the guidance respectively as a chairman committee.

27 technologies that delivered the technological certificate on March 3,2004 are shown as follows.

I . update technologies

- 1 . Corrosion protection materials (antibacterial agent for concrete)
SINANEN ZEOMIC, MITSUI MINING, KUMAGAIGUMI
- 2 . corrosion protective covering method (surasura method)
HAZAMA, NMB, CARBOFOR JAPAN
- 3 . Bend pipe jacking method use reinforced concrete pipe (SR pipe jacking)
NAKAGAWA HUME PIPE INDUSTRY
- 4 . Repair of sewer pipe (photo curing inner surface repair method)
TOA GROUT, SGC SEWARAGE CENTER

II . modification technologies

- 1 . Rehabilitation of sewer pipes (formation method – Omega liner method)
TOKYO METROPOLITAN SEWARAGE SERVICE, SEKISUI CHEMICAL ADACHI-UP,
C.I. KASEI
- 2 . Rehabilitation of sewer pipes (spiral liner method – Danbee method)
KUBOTA, KUBOTA CONSTRUCTION, OSAKA BOUSUI
- 3 . repair of sewer pipe (ASS-L/H method)
SUMIYOSHI SEISAKUSYO

III . new technologies

- 1 . Point repair of sewer pipes (In-situ-form LC method)
NIPPON STEEL, COOPERATIVE ASSOCIATION KOSEI KIGYO
- 2 . Repair of sewer pipe (In-situ-form LL method)
HOWA SANGYO, NIPPON STEEL, TAISEI, CLEAN SOGYO, CHUNICHI COPRO

COOPERATIVE ASSOCIATION KOSEI KIGYO

3. Rehabilitation of sewer pipes - slip lining method (RPC method)
TAKENAKA CIVIL ENGINEERING&CONSTRUCTION, TSURUMI CONCRETE, NITTO BOSEKI
4. Earthquake-proof rubber ring joint box culvert (SJ-BOX)
NIPPON ZENITH PIPE
5. Earthquake-proof joint for sewerage manhole (AZ rubber joint)
AZUMA GOMU
6. Sewerage shield tunnel inner surface corrosion protective covering method
(mesh reinforcement UV curable resin sheet method)
SHIMIZU, SHOWA HIGHPOLYMER, KURABO INDUSTRIES, THREE BOND
7. Joint parts earthquake-proofing method (earthquake-proof improvement method of established pipes)
TEIHU, AZUMA GOMU
8. Polymer dissolution system using meshed filter and roller (RCSS equipment)
NISHIHARA ENVIRONMENT TECHNOLOGY, DIA-NITRIX
9. Repair of sewer pipe (side liner method)
ASAHI TEC, KANSEI
10. Repair of sewer pipe (house liner method)
ASAHI TEC, KANSEI
11. Rehabilitation of sewer pipes – inversion method (hose lining method)
ASHIMORI INDUSTRY, ASHIMORI ENGINEERING
12. Sludge de-aerator
EBARA
13. Sewerage shield tunnel inner surface corrosion protective covering method
(degradation-proof segment, CR-ARMOR)
PENTA-OCEAN CONSTRUCTION, NIPPON JIKKOU
14. Repair of sewer pipe (prokasro method)
NIPPONDOKEN, YAMADAGUMI, PROKASRO JAPAN, IGARASI CONSTRUCTION
15. Corrosion resistant screening equipment (RS type automatic screening)
EBARA
16. Pin rack style sludge collector (pin rack collector)
HITACHI KIDEN KOGYO, MARSIMA AQUA SYSTEM, UNITIKA
17. Corrugation dam of sewerage plant (air back type steel corrugation dam)
MARUSIMA AQUA SYSTEM, MAEZAWA INDUSTRIES
18. High speed fiber filter (MARIMO)
UNICHIKA, KUBOTA, JFE ENGINEERING, TSUKISIMA KIKAI,
MITSUBISHI KAKOKI KAISHA
19. Shaft slide style screw press dehydrator (slide shaft screw)
EBARA
20. Bio-mass solubilization equipment
KOBELCO ECO-SOLUTIONS
21. Low power vertical agitator
TAKUMA
22. Joint parts earthquake-proofing technology (magma rock method)
TOA GROUT, HUIJIMURA HUME

—The display of CO., Ltd, Etc was omitted—

Secretariat: Makoto TERUNUMA, Hiroshi TORIUMI, Nobuhiro MOTOSHIGE, Isao TSUSHIMA,
Mitsuru MAEDA

key words

examination proof, rehabilitation technology, technology of making to earthquake-proof, concrete anti-corrosion coating industrial method, materials for sewage, technology for sewage treatment