

DOMESTIC TRAINING PROGRAM FOR SEWERAGE IMPROVEMENT IN
JAKARTA, INDONESIA

International Affairs Department

On August 24 and 25, three JS staff, including me, had a fantastic opportunity to help with a domestic training program of JICA (Japan International Cooperation Agency). The program is for sewerage improvement in the Special Capital Region of Jakarta of Indonesia, and JS staff joined it as instructors.

Recently in Jakarta, its public water has had a problem of contamination in water quality. Environmental severe or health issues caused by the pollution require an urgent improvement of wastewater systems. The program was a working-level staff training. Trainees joining the program provided us not only practical questions but a valuable piece of information on the current conditions and the wastewater management in Indonesia. We enjoyed the fruitful program that gave us a chance for a lively exchange of views with the participants.



The class "JS and its role for sewage works."

I, the writer, had a class on the financial management of wastewater.

Many municipalities in Japan set their sewer rates with *basic charges and pay-as-you-go charges*. In addition, many of them calculate their wastewater rates as proportional to the water use of each household.

This charging system is friendly for small/moderate users and encourages a water-saving idea.

On the other hand, in Jakarta, the authority calculates its wastewater rates depending on the user's land holdings. Their system eases the financial burden of poverty, with which I was impressed.

The sewer rate calculations depend on an attitude about a financial burden. Each country has its cultural background, and it does not matter right or wrong, even if their system is different from ours.

In the class, I try to share basic "concepts" needed for wastewater management and provide as many



Study tour of JS training center

helpful examples as possible. Indonesia and Japan have a shared idea of helping the poor reduce financial burdens, which is also essential for wastewater management.

Participants were very responsive when I talked about comprehensive outsourcing of public services for wastewater management. Some trainees were very confident about adopting the idea of outsourcing to their country, which made me happy.

On August 25, we made a study tour of the JS training center. When visiting the water quality inspection lab, participants asked about effluent standards: "How are effluent standards in Japan?" or "Which are regulatory objectives in Japan?"

JS has had more opportunities to join training programs for engineers in other countries in recent years. This valuable experience enables accumulating know-how for our global training program.

We, JS International Affairs Office, always welcome joining comprehensive training programs for wastewater engineering. If you need some help with programs or projects relating to the human resource development of other countries, we have solutions.

Themes and instructors for Domestic Training Program for Sewerage improvement in Special
Capital Region of Jakarta, Indonesia

Themes	Department of instructor
Financial management of wastewater	International Affairs Office
JS' role and its training program	Training Center
Sewage sludge treatment and its reuse technology	Resource and Energy, Technological Strategy Department