

## Time Table 2007 Business Management and Pipeline Technology of Waterworks (5days)

Attachment 4

### One of the implemented training programs in 2007

Date	Time	Subject	Contents
November 9th	9:30-9:45	Courtesy Visit	
November 12th	9:30-10:10	Water Pressure Management	<ul style="list-style-type: none"> <li>· How to determine the average water pressure</li> <li>· Daytime and night-time water pressure</li> <li>· Ideal water pressure</li> </ul>
	10:10-10:50	Mapping Management	<ul style="list-style-type: none"> <li>· Application</li> <li>· How to update</li> </ul>
	11:00-12:00	Leakage Repair	<ul style="list-style-type: none"> <li>· Repair time ( CASE EXAMPLE: Description of each process from detecting leakage to recovery)</li> <li>· Approximation of leak size ( · distribution main, · distribution pipe, · water supply equipment)</li> </ul>
	13:00-14:00	Monitoring System	<ul style="list-style-type: none"> <li>· Flow rate, water pressure, etc.</li> <li>· Distribution reservoir</li> <li>· Prediction of pipeline accidents</li> </ul>
	14:00-14:40	Water Quality Management	<ul style="list-style-type: none"> <li>· Water quality in the service area</li> </ul>
	14:50-15:50	History of Tokyo Waterworks	
November 13th	10:00-12:00	Maintenance and Management of Valves and Taps	<ul style="list-style-type: none"> <li>· Retaining the functions of equipment connected to the distribution pipes</li> </ul>
	14:00-16:30		<ul style="list-style-type: none"> <li>· On-site inspection to evaluate the equipment connected to the distribution pipes</li> </ul>
November 14th	10:00-12:00	Development of Investigation Technologies for Large-Diameter Pipes	<ul style="list-style-type: none"> <li>· Autonomous robot to investigate the inside of the large-diameter pipes</li> <li>· Skill practice on distribution pipes (including water supply equipment)</li> </ul>
November 15th	10:00-12:00	Direct Water Supply System	<ul style="list-style-type: none"> <li>· System of direct water supply</li> <li>· Specifics of the pumps</li> <li>· Occurrence of water pollution due to negative pressure</li> <li>· Pressure boosting with a booster pump</li> </ul>
November 16th	10:00-12:00	Skill Practice	<ul style="list-style-type: none"> <li>· Leakage detection</li> <li>· Facility repair</li> </ul>

Every year, the Tokyo Metropolitan Government Bureau of Waterworks accepts large numbers of trainees and inspection visits. Last fiscal year alone, the bureau welcomed 425 trainees or inspection visitors from 47 countries or territories including 17 people from two member cities in the Asian Network of Major Cities 21. The bureau is able to provide training for the time period and details requested by each respective city.