

**Target Countries :**

**Course No. :** (A) J1804385/ (B) J1804347/ (C) J1804231/ (D) J1804348

**No. :** (A) 1884790/ (B) 1884791/ (C) 1884792/ (D) 1884804

**Sector :** Environmental Management/Water Pollution

**Sub-Sector :**

**Language :** (A) English/ (B) English/ (C) English/ (D) Vietnamese

**Outline**

By the cooperation of the local city governments, who owns and manages the sewerage systems in Japan, the participants will grasp the overview of the sewerage system, including the management aspect. The course mainly deals with the sewerage systems for large cities, but the systems for small-medium scale will be also introduced.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b> Participants will be able to formulate improvement measures for sewerage systems and its maintenance and management techniques.</p> <p><b>【Outcome】</b> 1. To understand the laws in Japan regarding the sewerage system and the policies and practices by the local government. 2. To be able to explain the basic technologies for the planning and designing of sewerage system (sewer networks and treatment facilities) and characteristics of each treatment method. 3. To be able to explain the basic technologies for the maintenance management of sewerage system (sewer networks and treatment facilities). 4. To be able to explain the practices of financial management of sewerage systems and public relations activities. 5. To be able to explain the regulations of the sewer treatment imposed on the business sector and its practices. 6. To be able to formulate and propose sewerage systems improvement plans as "Action Plans".</p>	<p><b>【Target Organization】</b> Governmental or public organization engaged in the maintenance and operation of the sewerage system</p> <p><b>【Target Group】</b> 1. Senior technical staff engaged in sewer works 2. Occupational experience of more than 5 years in the area</p>	
<p><b>Contents</b></p> <p>1. Laws in Japan for the sewerage systems, History of sewerage system development in Japan, History of environmental protection, Practices for river project and drinking water project by the local government including disaster management 2. Planning of sewerage systems, Planning and designing of sewage networks and plant, Sewage treatments methods, Small-medium scale sewerage systems 3. Maintenance management for sewer networks, Treatment plants and pumping stations 4. Financial management and public relation activities by the local government 5. Water quality regulations imposed on business sectors (plants and factories), Practice of wastewater treatment by business sectors 6. Action plan preparation &amp; presentation, Formulation &amp; submission of final report</p>	<p><b>Course Period</b></p>	<p>(A) 2018/8~2018/9 (B) 2019/1~2019/3 (C) 2018/8~2018/10 (D) 2018/10~2018/11</p>
	<p><b>Department in Charge</b></p>	<p>Global Environment Department</p>
	<p><b>JICA Center</b></p>	<p>(A) JICA Kyushu (B) JICA Kyushu (C) JICA Kansai (D) JICA Kyushu</p>
	<p><b>Cooperation Period</b></p>	<p>2017~2019</p>
<p><b>Implementing Partner</b></p>	<p>(A) Road &amp; Wastewater Bureau, Fukuoka City/ (B) Under Planning/ (C) Public Works Bureau, Osaka City Government/ (D) Under Planning</p>	
<p><b>Remarks and Website</b></p>		