

## Creating a City That Takes Advantage of Environmentally-friendly Waste Disposal Technologies

### Environmentally-friendly “Fukuoka Method” accredited by the UN

The world has a common challenge to dispose of waste in an environmentally-friendly way. The “Fukuoka Method” has been implemented as standard for waste disposal landfill in several Japanese regions. It has three features: reduction of one cause of global warming by suppressing methane gas production, installation at relatively low cost, and easy maintenance and management.

Fukuoka is creating a city that curbs waste disposal at landfill sites by being aware of garbage minimization, reusing and recycling waste materials, and burning rubbish at incinerators safely and stably.

<b>【Lecture】</b>	<b>Code No</b>	<b>【Visit】</b>	<b>Code No</b>
01_ Lectures and practical training on the “Fukuoka Method”	EET-01	01 _Landfill sites, and a facility at a former landfill site	EEV-01
02 _Training in waste analysis	EET-02	02 _Waste incineration disposal facility	EEV-02
03 _Training in analysis of environmental pollutants	EET-03		

~Creating a beautiful city with environmentally-friendly waste disposal technologies~

The “Fukuoka Method” does not require advanced technologies and can be installed at a relatively low cost. It has been implemented in cooperation with JICA and the United Nations Habitat in countries such as China, Vietnam, Malaysia and Samoa. Fukuoka City has provided assistance in various ways, including training of the local staff.

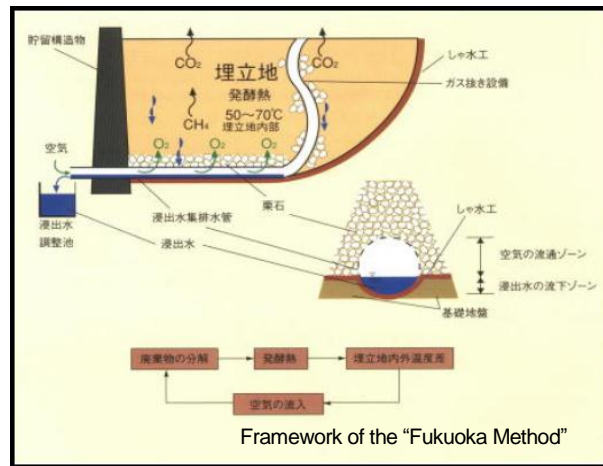
**【Training Menu】** ▽ Lectures and practical training on the waste disposal landfill technology known as the “Fukuoka Method”

**01\_ Lectures and practical training on the “Fukuoka Method”** **EET-01**

In this method, sewage water is quickly discharged through a water collection tube at the bottom of the reclaimed land. Natural air-flow accelerates decomposition of refuse, improving the quality of sewage water and suppressing methane gas production.

This technology is attracting a lot of attention from other Asian-Pacific countries that use landfills for garbage disposal because it does not require any advanced equipment and can be built and operated relatively easily while still working to prevent global warming.

Technical experts will give training based on a program that the Fukuoka Environment Foundation has used in Malaysia, Samoa, Pakistan and other countries at the request of JICA.



## 【Training Menu】

▽Chemical analysis training at Fukuoka City Institute for Hygiene and Environment

Fukuoka City has set up a research institute for hygiene and the environment, where chemicals and other substances are analyzed and measured with cutting-edge technology. Here, you will receive training in the analysis of waste and environmental pollutants.

### 02\_Training in waste analysis EET-02

Practical training in waste analysis and device analysis, and simple testing of seeping water, waste, landfill gas, etc.

### 03\_Training in analysis of environmental pollutants EET-03

Recently, the problem of environmental pollution caused by chemical substances has come under close scrutiny.

Here, you will receive practical training in the analysis of chemical substances related to water quality and air pollution.

- Environmental science – Dioxin, agrichemicals, PCB, etc.
- Water quality – heavy metal, VOCs, ionic component, etc.
- Atmosphere – asbestos, VOCs, foul odor, etc.



## 【Details of the Visit】

### Using environmentally-friendly, advanced waste disposal technologies

You will visit facilities that make use of the “Fukuoka Method” as well as a **waste incineration disposal facility**.

#### 01\_Landfill sites, and a facility at a former landfill site EEV-01

You will visit a “Fukuoka Method” landfill site, and a former landfill site to see how the land is used now.

- Western (Nakata) landfill site
- Former Imazu landfill site (Imazu Sport Park)
- Eastern (Fushidani) landfill site



A former landfill site is now a sport park

#### 02\_Waste incineration disposal facility EEV-02

You will visit a **cutting-edge facility where waste is incinerated safely**.

Here, various devices are used to fully remove hazardous materials from waste, whilst electric power is generated by steam created during the incineration process.

- Clean Park Rinkai

