

## **Methane to Markets Partnership Landfill Subcommittee Japan's Profile**

### ✓ **Summary of solid waste management sector**

### ✓ **Key stakeholders in the solid waste disposal and LFG industry**

In Japan, wastes are classified into two categories: municipal and industrial. While disposal of municipal wastes is the responsibility of municipalities, entities that generate the wastes are responsible for disposal of industrial wastes.

Generally, municipal wastes are disposed at landfill directly or recycled or incinerated directly after collecting them by the municipalities. On the other hand, industrial wastes are treated by entities that generate the wastes or waste disposal firms contracted with the entities. Recently, many landfill sites have been constructed by prefectural governments.

### ✓ **Overview of LFG potential from existing disposal sites**

In FY2002, the volume of landfilled municipal wastes and industrial wastes are 9,030 thousand metric tons and 40 million metric tons, respectively. Methane emission source is organic wastes composed of food waste, paper waste, waste textile and woodchip. The volume of methane emission from landfill sites is 3,706 thousand metric tons (CO<sub>2</sub> equivalent) in FY2002.

### ✓ **List of existing or planned landfill gas capture and/or use projects**

LFG recovery is not common in Japan, because organic wastes are usually reduced through mid-disposal such as incineration. It is so rare to dispose organic wastes at landfill sites without mid-disposal.

### ✓ **Challenges and/or priorities to greater LFG recovery and use**

### ✓ **Current cooperation among countries**

Information on landfill regulation in Japan is provided at the following website:

<http://www.env.go.jp/en/pol/wemj/waste.html>

Three following CDM projects have been already approved by the government of Japan:

- Armenia  
Nubarashen Landfill Gas Capture and Power Generation Project in Yerevan
- Malaysia  
Krubong Melaka Landfill Gas Collection & Energy Recovery CDM Project
- Brasil  
Salvador da Bhaia Landfill Gas Management Project

In addition, Japan provides a variety of tools to support CDM/JI project developers. The details of the tools are available at the following website.

<http://www.kyomecha.org/e/jkap/jkap.html>

### ✓ **“Wish List”**

Japan hopes to find opportunities for international cooperation in methane gas recovery and use through the Methane to Markets Partnership.