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 (CO₂ 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:
  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 opportunitites for international cooperation in methane gas recovery and
use through the Methane to Markets Partnership.