

Pollutants and Waste Management

Web page <http://www.cosmo-oil.co.jp/eng/sustainable/06/env/response.html>

We aim to reduce environmental impacts by properly controlling pollutants, and minimizing and recycling industrial waste.

Policy

Our refineries discharge exhaust gases controlled by the Air Pollution Control Law and wastewater controlled by Water Pollution Control Law chemical substances specified in the PRTR law. The Cosmo Oil Group aims to control them appropriately and reduce environmental impacts. When we install large equipment or conduct large scale engineering work, we conduct environmental impact assessments.

Concerning industrial waste, we set our targets to reduce the waste generated, and reduce and recycle excess sludge.

Challenge to achieve zero industrial waste

Reducing industrial waste at refineries

In FY2005, refineries started dehydrating and incinerating sludge, which is to be used as a raw material for cement production, and also started recycling plastic and wood waste into solid fuels. These activities resulted in 340 tons of total landfill at the four refineries in FY2005, which corresponds to the landfill rate of 0.8%. This rate was well below the target of 1% specified in the Consolidated Medium-Term Environmental Plan.

Reducing excess sludge

Excess sludge discharged from wastewater treatment facilities commands a top share of industrial waste in Japan. At our refineries, about 56% of industrial waste is sludge, so its treatment is very important.

We have been researching*1 technologies for reducing excess sludge generated at our refineries, and have reduced a large part of it at the Chiba and Sakaide Refineries.

*1 The research was carried out as a project supported by the Japan Petroleum Energy Center.

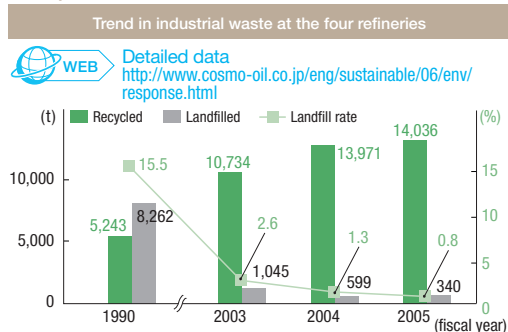
Measures against asbestos

In FY2005, we checked whether asbestos was used in buildings at our service stations and refineries that the Cosmo Oil Group either owns or rents. As a result, we found 16 places where sprayed asbestos was exposed. We will remove them completely by the end of FY2006.

In addition to the sprayed form, asbestos is contained in building materials including slates, or in heat insulators installed in manufacturing equipment. We think that no asbestine powder is emitted from them in normal use because they are molded products, but we will replace them with asbestos-free materials at the time of repairs.

For other asbestos-bearing products, we take measures according to the applicable laws.

▼ Graph 2



▼ Graph 3

