

Hazardous Chemical Substances and Industrial Waste

Reduction of Hazardous Chemical Substance Emissions into the Atmosphere

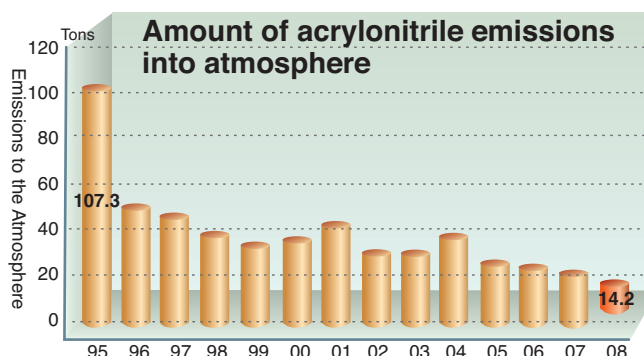
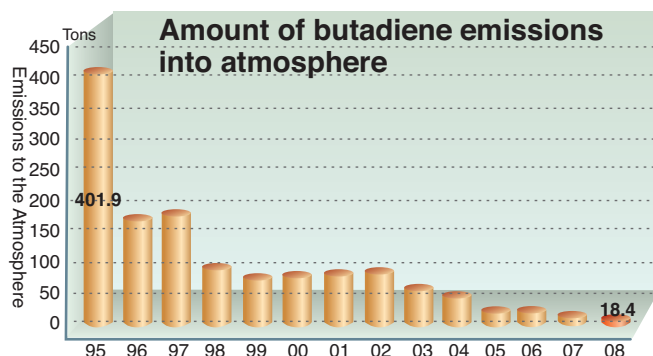
We are working actively to reduce emissions, particularly of butadiene and acrylonitrile.

Efforts headed by the Chemical Industry Association of Japan are being made to understand and reduce the level of emissions into the atmosphere of the twelve substances with the highest priority. Meanwhile ZEON is working actively to reduce emissions of the three substances on this list that are used at the company.

Thanks to process improvements and technological developments over many years, ZEON completely eliminated the use of benzene in 2000 and consequently has achieved zero atmospheric emissions.

For butadiene, our Tokuyama Plant switched to a production process that burns the waste gas from monomer recovery in 2008 and a reduction of approximately 14 tons in annual emissions is anticipated in 2009.

We reduced acrylonitrile emissions by about 6 tons in 2008 compared to the previous year due to lower production volumes, revisions to the operating conditions for monomer recovery, and other changes. We intend to continue reducing acrylonitrile emissions through better recovery.



Reduction of industrial waste

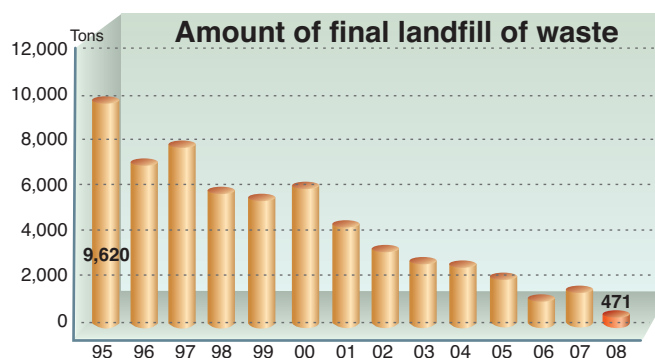
Our improvement target for reducing the amount of industrial waste that is ultimately disposed of in landfills is 10% or less of the final landfill amount in 1995 (a target of 962 tons). This target was achieved in 2008 with disposal of 471 tons.

Measures adopted to achieve this reduction include greater incineration of activated sludge and recycling of waste plastic.

We are planning further improvements and our

medium-term plan for 2015 has set an emphatic zero-emissions target of reducing the amount of industrial waste that is ultimately disposed of in landfills to 0.1% or less of the actual disposal volume in 2007 (a target of 33.4 tons).

ZEON is also working actively to improve sorting in order to encourage recycling and other ways of making effective use of industrial waste.



Note: This is the amount of waste generated in routine industrial activity that is disposed of in landfills.
(Does not include construction waste produced by non-routine engineering work.)