Environmental Policy

The Ardagh Group recognises its responsibility to the environment and is fully committed to the sustainable growth of our organisation through the implementation of this policy.

Environmental management is fundamental to our business performance in both our glass and our metal operations. An established philosophy of continuous improvement supports the implementation and maintenance of environmental management systems at all our manufacturing plants (ISO 14001 as a guideline). We are proactively improving our environmental performance in areas such as emissions reduction, maximising recycled content, minimising raw material consumption and material waste, and optimising logistics.

We manage sustainable development by monitoring and reviewing key performance indicators for relevant environmental impacts (environmental KPI’s) and checking against our environmental targets, with the full support of Ardagh’s senior management team.

In summary Ardagh’s policy covers the following principles:

### General

- Commitment and support to environmental issues and impacts from all managers, employees and suppliers.

- Continuous improvement and development driven by effective environmental management systems, example:

  > All glass plants will have an ISO 14001 certification by the end of 2011.

### Compliance

- Abiding by all legal and other regulatory requirements and conducting regular compliance checks and management reviews.
Waste Management

> Use of certified companies for waste recycling, transport and disposal.
> Avoiding waste to landfill, *example:*
  *Conklin metal plant operates with zero waste to landfill*

Material Consumption

> Optimising the use of secondary packaging materials.
> Maximising recycled content & recycling rate, working closely alongside key material suppliers.
> Reducing virgin raw material use, *example:*
  *Some glass furnaces operate with over 85% recycled materials.*

Water Consumption

> Reducing the impact of industrial waste water discharges.
> Reducing our total water consumption, *example:*
  *Closed loop process water systems in our Holmegaard glass plant means we only use 200 Litres of water per every tonne of glass packed.*

Energy Consumption

> Improving our energy efficiency, *example:*
  *Our most energy efficient furnaces are benchmarks for energy consumption in Europe with melting energy values as low as 3.5 GJ/t glass packed.*
Global Warming Potential

> Reducing the direct emissions of our operations as part of the Ardagh Group integrated strategic plan.

> Executing R&D and other investment projects to reduce our CO2 footprint, *example:*
  
  *Glass raw material pre-heater project (Ardagh Invention).*

> Supporting our customers in the development and implementation of more environmentally friendly packaging design, *example:*
  
  *Optimising weight in the design process.*

> Where feasible, sourcing electric power from renewable sources, *example:*
  
  *Metal Central Europe sourcing renewable hydropower.*

Process Emissions

> Reducing process emissions through the adoption of appropriate best available techniques, *example:*
  
  *Some of our glass plants have reduced dust emission by nearly 90% over the past 5 years.*

Transport Emissions

> Reducing logistical impacts, by minimising transport distances and optimising pallet and load configurations.