



Environmental Policy

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Environmental Policy

Winnie Papir A/S (Winnie Paper Ltd.) will as a responsible modern private enterprise protect environment and natural resources. We seek to achieve a production based on an environmental sustainable development and balanced with economic viable and social responsibilities. Founded on our production and product opportunities we will put an effort in continually improving our environmental performance.

Winnie Papir A/S will

- In any of its actions or operations be dedicated to avoid damage on the environment and make efficient use of resources, reduce waste and energy consumption.
- Where possible to quality, function and end user demands use recyclable products and raw material, and produce recyclable products, and thus ensure the products fit into a full sustainable product lifecycle.
- Prompt our suppliers to achieve sustainable productions, products and services.
- Maintain an open internal and external communication on our environmental policy and environmental performance.
- Ensure compliance with the current Danish legislation.

Ringsted, Denmark,
January 2004

Ivar Lindemark
Managing Director

Production and product description

Environmental issues

Winnie Papir A/S (Winnie Paper Ltd) printing house and paper industry is situated in Ringsted, Denmark. The site is placed in a public approved industrial area with good access to road and rail transport facilities. The buildings are erected between 1969 and 2002 and cover 20,000 m². (Equal to 180.000 sq. ft)

Winnie Papir A/S has a total of 140 production and administrative employees producing and selling mainly gift wrap paper, foils in rolls and folded sheets (flat pack). Our designs are printed in rotogravure and flexo print processes. More than 85 % of the production is exported.

Winnie Papir A/S has for several years been concerned with environmental issues, however only from 1997 formulated our concern in this policy. As a matter of fact several objectives and targets have been achieved in the recent years.

Production

Energy

Process and room heating is based on the less polluting natural gas and a surplus heat from water-cooling processes.

In order to efficiently utilize energy all machines since 1973 have been equipped with double heat ventilation recovery equipment, returning heat back to the production processes and to the general room heating.

Since 1990 all buildings have been planned with large-scale production water-cooling systems, efficiently transferring surplus heat into the shop floors. Through 5 miles of heavy plastic tubes installed in the shop floors, the surplus heat is transferred to the buildings from 23 specially designed cooling drums in the drying processes.

Efficient cooling / heat processes have reduced water- and electricity consumption from cooling by some 99 %.

Automatic light control is installed in order to reduce electricity consumption to a minimum during daytime. Electronic controlled DC-motors have been installed in the process lines to adjust speed and minimize breakdowns thus reducing electricity consumption.

Through large-scale production planning and staff motivation, idle running of the processes are minimized, keeping unnecessary electricity consumption at a minimum.

Waste

Solid waste is sorted into fractions at Winnie Papir A/S. PP (polypropylene); plastic, cardboard and paper are sorted for recycling and deposits. Officially authorized transport companies perform transports.

All hazardous wastes from cleaning processes are separated and collected for destruction at the state controlled hazardous wastes incineration plant (“Commune Kemi, Denmark”).

Official authorized transport companies also here perform transports.

Waste water

Production wastewater is recycled, cleaned and separated, before discharging into the local sewage system. Effluent is classified as low.

Air emissions

To improve our environmental performance and comply with the current Danish air emission limits, Winnie Papir A/S has phased out the use of solvent-based printing.

Health and safety

High efficient heat recovering ventilation and noise abatement is installed and the staff is trained in handling special and heavy materials.

Transport

Approximately 20% of our goods transportation is done by train.

Product

Raw-material

The raw-paper is mainly purchased from paper mills belonging to the UPM-group in Finland, Stora and Bäckhammer in Sweden, Norske Skog in Norway and smaller quantities from Germany, Holland and Scotland.

All suppliers are certified under one of the following standards FSC (the Forest Stewardship Council), ISO 140001 or EMAS.

Wrapping foils are purchased from Germany, France and Italy and they contain no PVC (polyvinyl chloride).

Inks are purchased in Denmark and Sweden. Toxic metals have been removed from the inks, only leaving a little unavoidable copper in blue inks. Our water-based inks are purely water-based adding no alcohol or ethanols. Toluene and denatured ethanol inks has been phased out.

Our gift-wrap paper is recyclable, and can after end-use be disposed of in recycling schemes. Foils can be incinerated.

Glossary

Recyclable denotes the following descriptions in the set priority: Reusable, Recyclable and Incineration (heat-production).

Environmental objectives

Based on our Environmental Policy and the achieved goals Winnie Papir A/S has formulated an environmental strategy in a set of long-term and short-term objectives and targets. The objectives are the general foundation for our daily work and attitudes, whereas targets are the scheduled priorities in our action-plan. Objectives are formulated in order to express our general initiatives and they are base for the formulation of our exact targets.

Management

- Management considers environmental aspects in business opportunities.
- Management considers environmental aspects in the daily operations and decisions.
- The environmental policy, objectives and targets will once a year be reviewed by the management.

Production

- Plan production lay-out and flow in a manner that production is optimized and internal transport is minimized.
- Reduce energy consumption by improved energy housekeeping and where possible continue introducing BATNEEC (Best Available Technology Not Entailing Excessive Costs).
- Increase the reuse of all production waste water to a technological and economic viable possible level. (BATNEEC).
- Use materials according to supplier and local authorities handling instructions, risks and disposal plans.
- Comply with health and safety regulations, installing efficient ventilation and reduce noise accordingly.
- Keep staff informed and trained about production and health and safety procedures.

Products

- Use of inks that are free of toxic metals.
- All wrapping-foils are to be completely PVC-free foils.
- Easily shrinkable wrapping-foils are to be used, reducing energy consumption during shrinking procedures.
- Balanced with quality our paper raw products are to be based on certified forest productions and environmentally labeled products.
- Minimize waste by reducing production spills and ordering of paper and foil raw material fitting our production lines.
- Buying raw material in large quantities, improving supplier's environmental performance opportunities and transport.

Transport and Retail

- Keep packaging at minimum and combine protective transport packaging with store presentation.
- Optimize transport by efficient utilization of transport equipment.

Action Plan

Keeping our objectives in mind two targets have been selected for our immediate plans of environmental improvement.

In close co-operation with our suppliers of ink we seek to improve water based inks and printing method for PP (polypropylene) foils.

Within 2004 to print PP foils with water based inks at the same quality as print with solvent inks.

Responsible: Director of production

Reduction of wastes

Reduction of wastes by 10% in 2004 through better production planning and spill-minimization. The target is to minimizing the number of production changes, improve technology processes and quality control including internal information systems from raw material to finished products.

Responsible: Directors of production and administration