



Environmental statement 2008

VERIFIER'S DECLARATION

"SGS United Kingdom Ltd, as appointed verifiers to Pureprint Group, are pleased to confirm that further to consideration of the documentation, data and information resulting from the company's internal procedures examined during the verification process, it is evident that the environmental policy, programme, management system, review (or audit procedure) and environmental statement meet the requirements of regulation 761/2001 (the EMAS Regulation)."

Verified by 

11 March 2008
EMAS accreditation no: UK - V - 0007



EMAS
VALIDATED
INFORMATION
REG.NO.UK - S - 000011

PureprintGroup

Bellbrook Park, Uckfield, East Sussex TN22 1PL

This site has an environmental management system and its environmental performance is reported on to the public in accordance with the Community eco management and audit scheme

Our next externally verified Environmental Statement will be produced not later than March 2011



Contents

This environmental statement is in compliance with the requirements of EC Regulation No. 761/2001 of the European Parliament and the Council of 19 March 2001 allowing voluntary participation by organisations in a Community eco-management and audit scheme (EMAS)

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Managing Director's statement

It gives me great pleasure to introduce Pureprint Group's first full EMAS Environmental Statement following the successful amalgamation of Beacon Press, East Sussex Press and ingenious.

Our business has grown substantially since our last full EMAS environmental statement when we reported as Beacon Press in February 2005. Our factory responded to a 255% increase in output from 54.8m impressions in 2004 to 194.8m impressions in 2007, our sales turnover is now £15.7m and we employ 152 staff.

Throughout this new growth phase we have been determined to improve our environmental performance as well. So I am particularly pleased to be able to report that in the three years from December 2004 to December 2007 we have made the following reductions per million impressions printed:

- reduced CO2 emissions 49.3%
- reduced IPA usage by 78.8%
- reduced gas consumption 49.6%

- reduced electricity consumption by 30.3%
- reduced waste bins to landfill by 71.9%

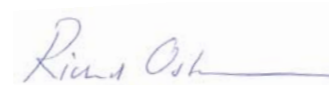
I am also able to report that we increased our dry waste recycling rate from 90% to 94% during 2007.

This report shows our business making further steady progress in 2007, a year when we achieved the complete eradication of the use of industrial alcohol on our printing presses. This initiative encompasses our environmental goals very well in that it clearly reduces our environmental impacts, helps provide a healthier workplace, enhances the vibrancy of the colour we print and reduces our costs.

As ever it is our people that make all of this happen and we have now invested in full time Health and Safety and Corporate Social Responsibility managers.

A staff survey in 2007 highlighted that 43% of staff were attracted to Pureprint Group because of our sustainable culture and 68% of customers buying decisions

were highly influenced by our environmental credentials. In 2008 we will continue to work hard to spread our sustainability message throughout our business and to all the customers and suppliers we engage with.



Richard Osborne
Managing Director
14th February 2008

Environmental policy

Policy statement

Pureprint Group is a market leader in providing sustainable printing solutions for the corporate, creative, commercial and fine art markets. We understand the importance of the impacts our operations have on the environment and this ranks equally with other key business objectives within our overall strategy. Compliance with relevant environmental legislation and other requirements is part of our business and we are committed to preventing pollution and continually improving the environmental performance of our business activities.

Environmental management

By operating an environmental management system (ISO 14001) and verifying our data through our registration to EMAS (Eco Management Audit Scheme) we manage our environmental impact focussing on the following issues:

- Improving energy efficiency and reducing carbon emissions
- Reducing and recycling waste and the use of valuable resources
- Including energy consumption, resource use, waste generation in purchasing criteria

- To increase awareness among our stakeholders of environmental issues by taking a leadership role in the industry and community
- Supporting our staff by providing information and training

Organisation and responsibilities

Every manager in the business is committed to ensuring that our policy is implemented and understood. The Environmental Manager coordinates 'The Green Team' of representatives from each department including Directors, who implement and manage environmental initiatives on site including the setting of objectives and targets each year.

This policy is communicated to all employees and persons working on behalf of the company, it is available via the Internet and on request. It is reviewed on an annual basis.



Richard Osborne
Managing Director
14th February 2008



Site activities, Products & services, Legal provisions

Buildings and grounds

Pureprint Group comprises one owned main building and one leased unit on an industrial estate in Uckfield, East Sussex where its manufacturing and administration activities take place and a leased unit eight miles away in Lewes which houses the design team 'ingenious' which is a non manufacturing operation.

The main unit covers approximately an acre of which approximately 2130 square metres is under cover.

The outside has been fully landscaped to blend in with the surrounding countryside. There is a pond at the front of the building (without fish) to encourage natural wildlife, a wild flora and fauna area with a log pile, hedgehog box, bird and bug boxes to also encourage wildlife at the back of the building with benches for staff to enjoy in the summer months.

Our hot composters are also situated here where our food waste is composted. Watering of the gardens is done by hand using rainwater collected in the rainwater harvester. The waste containment area is fenced off within the car park and none of the containers are visible.

The main two storey building houses the pre-press and press room operations on the ground floor and offices on the first floor. The buildings are of a steel framed construction with concrete blockwork internally and cladding panels externally. All the buildings have been extended over the years, but always in keeping with the original design concept and materials.

The finishing and distribution part of the manufacturing activity takes place in a leased single storey unit occupying 888 square metres 400 metres away on the same industrial estate. The design team are in a single storey converted barn of 170 square metres 8 miles away. They have a small courtyard with wildflowers which are watered with rainwater collected from the water butt.

Production processes

The Company operates a comprehensive range of production equipment which enables it to originate, print and finish a wide range of high-quality printed matter. Our services range from printing a basic letterhead or business card in one or two colours to creating a complex advertising brochure, magazine or financial statement in up to ten colours.

The origination activity is carried out electronically from computers equipped with desk top publishing right through to the reprographic equipment which makes proofs and printing plates.

A number of offset lithographic printing machines which put ink on the paper are operated and these are being replaced, updated and added to as customer requirements and technology changes.

In the finishing unit there is a range of cutting, creasing, diecutting and folding machinery to enable the business to complete the production of most jobs in-house.

Computers form an integral part of the office facilities and their use is encouraged as a means of reducing the use of paper.

Based on the classification of economic activities in the European Community the NACE code of our site is Section D: Manufacturing, Subsection DE 22.22 Printing n.e.c.

Waste and recycling

Inevitably, a by-product of our activity is waste and this is managed in accordance with The Environmental Protection Act 1990. Waste minimisation is an ongoing objective and reuse and recycling is important to us.

We recycle;

- **Paper** – sorting all waste paper for recycling
- **Fluorescent tubes** – are recovered and recycled for industry.
- **Broken pallets** – turned into bird / insect boxes or shredded for re-use
- **Aluminium printing plates** – melted down
- **Toner and print cartridges** – recycled
- **Empty ink cans** – recycled

- **Grass cuttings** – composted for use on our own factory gardens.
- **Water** – recycling unit and water saving devices in all wash rooms, rain water harvester collects rain water to water the plants
- **Batteries** – recycled
- **Cardboard** – recycled
- **Metal machine parts** – recycled
- **Food waste** – composted in our hot composter
- **CDs** – transformed into artificial wood, lighting cases and alarm boxes.
- **Mobile phones** – recycled via charity
- **Plastic barrels** – shredded into drainpipes/ building materials
- **Aluminium drink cans** – recycled
- **Glass** – recycled

Special Waste is removed from site for treatment by authorised processors. However, our solvent recycling unit enables us to re-use our main pressroom solvent.

Legal controls

A register is maintained of the environmental laws which apply to our operation. The Register of Legislative, Regulatory and Other Policy Requirements is updated and controlled by our ISO 14001 Environmental Management System.

The company has been issued with a formal Consent To Discharge Trade Effluent by Southern Water Services. There have been no legal infringements in the last three years based upon regularly taken samples.



Significant aspects and impacts, Environmental performance indicators

Identification of aspects and impacts

An Environmental Effects Register is maintained of those activities in which we are engaged that have a significant impact or effect on the environment.

There has been a significant increase in production throughput since 2005 but no change to the activities, production, processes or service.

Our principle raw material is paper and we are fully conscious of our responsibilities in both minimising its use and influencing our customers to specify papers with environmental certification such as: Forest Stewardship Council (FSC) chain of custody and Programme for the Endorsement of Forestry Certification (PEFC) chain of custody and papers with recycled content.

Through our membership of the World Wildlife Fund Forest Trade Network (WWF FTN) paper group we keep abreast of developments and issues concerning forestry and paper and communicate best practice to our suppliers and customers.

Many chemicals are used in the printing process such as inks and solvents. A programme of elimination, minimal use and re-use is operated on site. We recycle the solvents from our B1 presses through our Eco Clean system, no Isopropanol Alcohol (IPA) is used in the printing process and our standard ink set is vegetable oil based. Our volatile organic compounds (VOC) emissions are below the 25 tonne threshold consumption limit as set by PPC regulations. Any remaining hazardous waste is disposed of via our authorised contractors and we are registered for Hazardous Waste: NBD412.

Naturally, we are high users of both energy and natural resources. Our consumption is monitored to enable management control and we purchase 'green' energy from renewable sources. Dry urinals, push taps and hippos in the toilets help to conserve water and water from our reverse osmosis system is used to flush toilets. Regular maintenance, new equipment appraisal and selection and staff programmes encouraging economical practices and minimal use are all used to good effect.

The Company is aware and concerned to avoid causing pollution by noise or odour in and around the surrounding area.

An ongoing environmental management programme of objectives and targets and environmental auditing is undertaken to reduce and control the impact of our significant effects.

Measurement of environmental performance

Within our Environmental Management Programme we measure those factors which provide us with a meaningful indicator of environmental performance. In the main these will be ongoing measurements of expenditure, consumption or emission. Where appropriate, a comparison is made between output (number of impressions) related to the use of resources.

	2007 Per million impressions	2006 Per million impressions	2005 Per million impressions	2004 Per million impressions
Tonnes of CO2 emissions	1.43	1.33	1.35	2.82
Litres of IPA purchased	15.65	25.88	41.01	73.9
Litres of other solvents used	91.23	90.20	55	71.5
Kilowatt hours of electricity used	11,045	11,172	12,540	15,848
Kilowatt hours of gas used	1,758	2,119	1,673	3,489
Cubic metres of water used	8.45	7.62	3.64	6.3
Litres of hazardous waste for treatment	214.33	242.37	133.43	173.65
Bins of waste to landfill (1100 litres per bin)	1.60	2.27	2.74	5.70
Tonnes of ink purchased	0.15	0.17	0.17	0.16
Tonnes of packaging purchased	0.24	0.24	0.25	0.41
Complaints	1	0	0	0
Number of impressions printed in 000's	194,836	183,561	113,877	54,780

Compared to 2006: Our carbon emissions, calculated using DEFRA guidelines for company reporting and based on our energy and road fuel usage, have risen. This is due to an expansion of our transport fleet. Litres of IPA have reduced considerably as expected and none has been purchased since November 2007. Other solvent purchases have increased slightly due to the alcohol replacement chemical, substifix. Energy

consumption has reduced due to better controls. Water consumption has risen slightly but is now stable with the new plate processes installed. Hazardous waste is down now that the Eco-Clean system is functioning. Waste to landfill has decreased and our percentage of waste diverted from landfill has risen to 94% Ink shows a slight reduction and packaging remains stable. Unfortunately we had one complaint during 2007.

The contractors who collect our dirty rags for cleaning and recycling complained that liquid was collecting at the base of the bag from where the rags had not been wrung out sufficiently. A specific procedure was issued to all the presses and each crew made aware of the complaint. No further complaints have been received.

Environmental Management System and continual improvement

Environmental Management System

The Environmental Manual is the means by which we control our Environmental Management System. It provides a comprehensive description of our system in accordance with the Environmental Standard ISO 14001. Each section of the Environmental Manual plays a part in the support of our Environmental Policy which is the focal point of all of our activities. Reference is made to the register of environmental effects, the register of legislation, the measurement of environmental performance and the Objectives and Targets. Within our system they are all designed to support the Environmental Policy.

The remainder of the Environmental Manual deals with the definition of individual responsibilities and the means by which management controls the environmental programme and procedures.

Organisation and personnel

The Company's Quality Manual describes the management structure in the form of an Organisation Chart.

Section 4.4.1 of the Environmental Manual entitled Resources provides a full description of those personnel having environmental responsibilities.

The Directors are responsible for establishing company policy in respect of continual environmental improvement and for providing sufficient resources and personnel for implementation.

The Environmental Manager is responsible to the Managing Director for co-ordinating the activities connected with the successful operation of the Environmental Management System. Specifically, she will identify and carry out certain inspections, investigations and reports into environmental performance. She will provide an administrative support function, including the provision of a systems auditing service and the maintenance of the Environmental Manual and its associated records.

Departmental managers are responsible for the day to day implementation of actions necessary within the areas of their own responsibility. Through themselves and their staff they ensure compliance with all of the processing, inspection and documentation activities specified.

Management programme and operational control

The Environmental Management Programme is the key to compliance with the Company Environmental Policy. It explains the practices which have been put into place by management so as to meet the principles described in the policy. Section 4.4.3 of the Environmental Manual entitled Environmental Management Programme provides a full description of the activities, most of which are controlled by the Environmental Manager.

Control and inspection procedures include all functions, activities and processes which have or could have, if uncontrolled, a significant effect on the environment. This section describes the use of work instructions, environmental forms, inspections, non-compliances, emergency plans and corrective actions.

Management Audits and Reviews of the Environmental Management System are described in our Environmental Manual.

Progress made on objectives and targets set in 2007 was as follows:

- 1 Improve recycling of factory waste by evaluating the drinks machines and recycling the plastic cups into pens and pencils and introducing a hot compostster with a view to achieving a further 5% increase in the recycling rate by the end of 2007 and zero waste to landfill during 2008.
An increase of 4% to 94% was achieved of dry waste diverted from landfill
- 2 Reduce the use of gas and electricity in terms of kWh per million impressions by a further 10% based on 2006 usage by assessing the recommendations made by the Carbon Trust in their report after their



site visit in November 2006. Review and upgrade the lighting installations. Ensure we negotiate a continued supply of 'green' electricity.

A 4% reduction was achieved

- 3 Continue to maintain the quantities of FSC and recycled papers used by regularly monitoring their purchase and promoting their use through information and education in the marketplace and with staff with a view to increasing their use a further 10% during 2007. Re-evaluate the criteria and method of collecting the data using our MIS system.
Achieved – increase of 71% over 2006
- 4 Environmentally evaluate papers used that do not fall into the FSC and recycled sector as defined by the WRAP guidelines. Investigate a carbon footprint per tonne for our most popular papers.
Achieved where information was available
- 5 Transport: Establish a system to reduce the CO₂ emissions per million sheets printed for all company vehicles. Develop procedures within the EMS for the monitoring of the

transport department. Offer a voluntary carbon offsetting scheme to employees. Engage with external suppliers with a view to achieving a carbon footprint for their services.

Partly achieved but CO₂ emissions increased

- 6 Communication of environmental credentials and initiatives: schedule specific training and awareness amongst staff to be better informed on key issues such as carbon emissions. Re-vamp the environmental tour and stop points with new data and interesting facts. Update the environmental section on the website.
Achieved

Recent environmental awards

- Liveable City Outstanding Achievement Award 2004
- Liveable City Resource Conservation Award 2005
- Printing World Awards Best Environmental Printer 2006
- PrintWeek Environmental Printer of the Year nomination 2007

Environmental Management System and continual improvement

Environmental objectives & targets

The following environmental objectives and targets have been set for 2008. Each one is more fully described and controlled on its related Programme Objective Form within the Environmental Management System.

- 1 **Waste reduction:** Continue to improve recycling rate towards 98% and finally zero waste to landfill by introducing further recycling streams for plastics and evaluating all packaging that arrives on site by department.
- 2.i **CO₂ Emissions:** Maintain or improve our use of gas and electricity in terms of kWh per million impressions based on 2007 figures through detailed assessment, the re-connecting of the PowerPerfactor, supply of 'green' electricity and implementation of recommendations made by the Carbon Trust.
- 2.ii **CO₂ Emissions:** Transportation – continue to engage with external suppliers with a view to achieving a carbon footprint for their services. Develop a strategy to reduce the CO₂ emissions per million sheets printed for all company vehicles by bringing binding operations in-house.

2.iii **CO₂ Emissions:** Extend our relationship with The CarbonNeutral Company to offer a service to our customers to make their print projects CarbonNeutral.

3.i **Resources:** Paper: Increase the quantities of FSC and recycled papers used by regularly monitoring their purchase and promoting their use through information, education and marketing in the marketplace with a view to increasing their use to 50% of total paper used during 2008.

3.ii **Resources:** Inks: install an ink blending facility to reduce over ordering and waste ink, also to reduce the carbon footprint of our preferred ink supplier with reduced delivery miles and to assist in their environmental mission statement. Investigate a cartridge shredder to shred empty ink cartridges to reduce transport miles in picking up cartridges of air. Investigate further the use of a pumping system for process inks with a view to reduce the volume of ink cartridges, packing and waste.

4. **Communication:** Employees: Increase awareness and benefits of our environmental and community partnerships and memberships (BitC, WWF FTN, Forum for the Future)

Support activities and indirect effects

Supporting the wider environment

We have continued to carry out an ongoing programme of positively promoting the environment with initiatives both locally and globally, including substantial support for leading environmental protection organisations.

Pureprint Group:

- continues to offset emissions, that cannot be reduced, through the CarbonNeutral® company in renewable energy schemes. We also offer a link on our websites for employees and any visitors to our sites to offset their flights, transport and domestic emissions via CarbonNeutral®.
- in addition to Forest Stewardship Council (FSC) chain of custody now also have Programme for the Endorsement of Forest Certification (PEFC) chain of custody.
- continue to partner Forum for the Future producing their Green Futures Magazine.
- remain members of World Wildlife Fund Forest and Trade Network paper group (WWF FTN) supporting sustainable forestry.

- still run the CD's recycling scheme for customers and local community and have redirected 7 tonnes of CD's from landfill in the last 3 years.
- joined Business in the Community (BitC) to support our Corporate Social Responsibility drive
- continues to operate the 'Green Fund' to support employees in community led initiatives.
- produced an Environmental Report for 2005 during 2006
- hosted 'Moral Fibre' with WWF a seminar on responsible paper purchasing
- are regularly asked to participate in events on sustainable issues and make comment in the media.

Indirect effects

Whilst we exercise full control over the direct effects of our activities on the environment we must still give consideration to their indirect effect. This means looking at the life cycle of the activities surrounding our usage of the main resources or inputs. Primarily, these relate to the activities of our major suppliers of paper, energy and chemicals

and their eventual disposal or emission. The selection of paper is often outside our control, being determined by the customer. However, we actively seek to influence the decision making process by promoting the use of recycled materials and those sustainably sourced or manufactured in a manner which seeks to minimise adverse effects on the environment. We have increased our use of FSC and recycled papers by 71% during 2007 from 2006.

Similarly, our choice of supplier is influenced by their environmental policies and practices. Where possible, we consider a supplier's environmental performance and favour those having an outlook similar to our own.

In respect of our use of energy and chemicals we can exercise greater discretion, although we believe in placing the emphasis on those more direct impacts over which we have full control. Our electricity is 100% green, sourced from wind and hydro technology.



Responsible paper purchasing policy

Pureprint Group is committed to the responsible purchasing of paper. Our objective is to source all paper products that we purchase or specify to be made from fibre from well-managed forests which have been certified to credible certification standards or from recycled fibre or a combination of the two.

Where possible we shall use FSC papers and encourage our clients to specify FSC papers or post-consumer waste recycled papers.

Pureprint Group will endeavour not to source paper products from:

- Forests or paper product suppliers that do not comply with all relevant national and international legislation relating to the trade in forest products.
- High Conservation Value Forests where these are recognised nationally or regionally, unless these forests are progressing towards credible forest certification in a time-bound, stepwise and transparent manner.
- Protected areas, Parks or similar areas where harvesting operations are not complimentary to responsible forest management.

- Forests which are currently being converted to other land uses, or forests that have been converted since 1994.
- Forests which are in areas of armed conflict or civil unrest where there is a direct relationship between the forest products trade and the funding of such conflicts.

To ensure that these goals are achieved Pureprint Group will:

- Scrutinise all suppliers of paper products for all purchases of goods for resale, not-for resale and in all new construction activities.
- Seek information as to the source of all paper products
- Evaluate this information against our stated policy
- Continuously improve the level of compliance against these policies, with annual reviews, reports and actions agreed with our suppliers
- Work with and encourage suppliers and forest sources who are actively engaged in a process of time-bound, transparent, stepwise commitment to credible certification (such as WWF

Producer Group members)

- Work with key stakeholders to ensure that best practice is followed.
- Set annual, publicly communicated targets regarding our performance.

Pureprint Group will never knowingly become involved in, collude with or purchase timber from illegal logging operations. We will work with our supply chain to ensure that all paper products originate from forests where there is full legal and verifiable title to the land, and the harvester has all relevant and current permits and approvals; ensuring products are extracted with full authorisation of those holding rights to the land or forest resources, and with the required authorisation, permits and approvals from all relevant government agencies.