



ENVIRONMENTAL STATEMENT INCORPORATING THE OPERATIONS OF ORBIT DIGITAL FOR YEAR ENDING 2009 FOR EMAS VERIFICATION

Introduction

This is our third environmental statement reporting on The Company's environmental performance. It provides updated information on our activities in 2009 and comments on our future plans. It has been collated following the structure of our original environmental statement.

Managing Director's Statement

After an award winning 2008 the past 12 months have been a year of adaptation to challenging market circumstances and changing customer requirements. Our lithographic machines have reduced volume of work while our digital production through Orbit has grown over 15%. This has also led to investment into finishing equipment and an increase in temporary staff fulfilling the digital work.

This has meant it has been difficult to show environmental improvement this year as the number of impressions has decreased but our requirement for power and water has increased.

This does not mean we have abandoned our environmental commitments, by bringing a large proportion of finishing in-house we have reduced the carbon emissions of the works van by over 50%, gained more quality control over finishing and been able to give employment to the local community.

We have also donated over £800 to the Pure Trust, all projects supported by Pure are for renewable energy and efficiency schemes that support development in the countries in which they are located. This is our third donation and again the level is based on our Carbon Footprint.

The Powerperfector installed in July 2008 is still installed and working well, and due to our increase in demand should be saving us more than ever.

Our on going community projects continued; support offered to customers about how to reduce the impact of their print jobs and mailings, how they can pursue ISO14001 and EMAS accreditations and sponsorship of charity events.

Phil Sudwell, Managing Director

AJ Thorpe
25 June 2010

Environmental and Sustainability Policy

Park Lane Press Limited is a lithographic Waterless printing company operating out of Corsham, our main output includes brochures, reports, leaflets, direct mail, folders, greeting cards, stationery. Orbit Digital is the digital printing subsidiary of Park Lane Press and operates under it's EMS.

We recognise our operations result in emissions to air and water, the generation of waste and consumption of natural resource, we therefore realise the importance of environmental protection and sustainability. We therefore operate an environmental management system, we are committed to running our business responsibly and in compliance with all environmental regulations, legislation and approved codes of practice relating to the printing industry and our activities. It is our objective to operate with, and to maintain good relations with all regulatory bodies.

It is the Organisation's declared policy to carry out all measures reasonably practicable to meet, exceed or develop all necessary or desirable requirements and to continually improve environmental performance through the implementation of the following:

1. Assess and regularly re-assess the environmental effects of the Organisation's activities and integrate sustainability considerations into all our business decisions.
2. Assess and regular re-assess the Organisations environmental and sustainability objectives and targets
3. Assess and regularly re-assess legislation and regulation that apply to the Organisation's activities
4. Training of employees in environmental and sustainability issues
5. Minimise the production of waste
6. Minimise material wastage
7. Minimise energy wastage
8. Promote the use of FSC, recyclable and renewable materials
9. Reduce and/or limit the production of pollutants to water, land and air
10. Control noise emissions from operations
11. Evaluate paper suppliers to avoid using paper that has come from controversial sources such as illegally harvested forests, genetically modified forests, forests where serious social conflicts are occurring and forests with wood originating from uncertified high conservation value areas.
12. Evaluate all suppliers environmental performance before selecting as an approved supplier.
13. To be involved with educating and working with the local community on environmental matters.
14. Purchase electricity from a supplier committed to renewable energy.

This policy is communicated to all employees, suppliers and sub-contractors and is made available to the public. In drafting and reviewing the Environmental and Sustainability Policy all personnel involved ensure that it:

1. Is appropriate to the nature, scale and environmental impacts of its activities
2. Includes a commitment to continual improvement and the prevention of pollution
3. Includes a commitment to comply with the relevant environmental legislation and regulations, and with the other requirements to which the Organisation subscribes
4. Provides the framework for setting and reviewing environmental objectives and targets
5. Is documented, implemented and maintained and communicated to all employees
6. Is available to the public

Signed on Behalf of the Company:



..... (Director)

Date: 25th June 2010

AJ Thorpe
25 June 2010

Site Activities, Products and Services, Legal Provisions

There was an increase in production on the digital and finishing side, but there were no significant changes to the range of site activities, products, processes and services.

During the year the Company re-registered the site with the Environment Agency under the Hazardous Waste Regulations. Our Premises Code Number is NOZ608. The Company have also registered on the CRC Energy Efficiency Scheme as a half hourly electricity user below 3000 MWh for 2008, our number is CRC7721216.

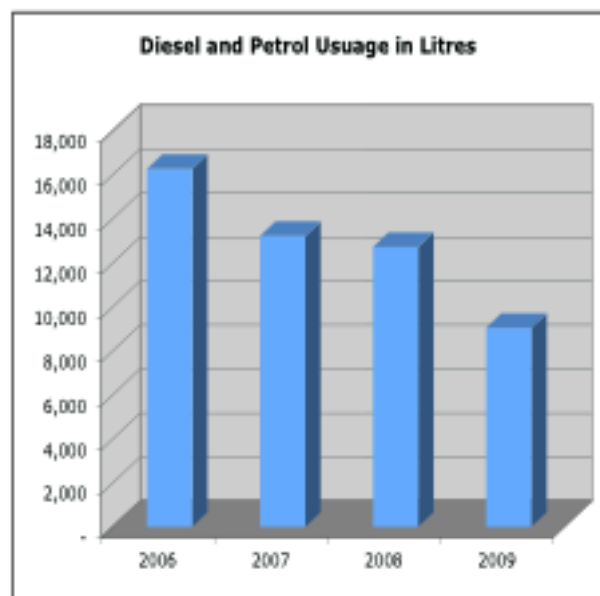
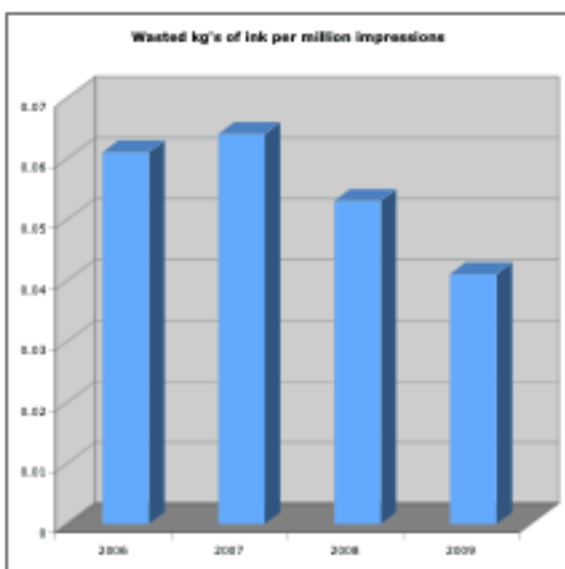
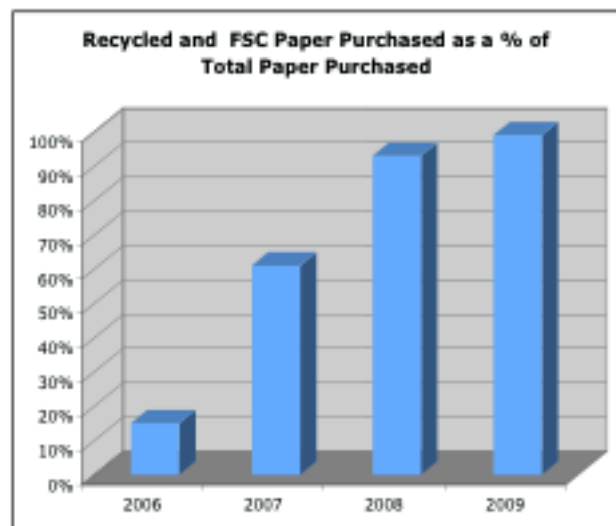
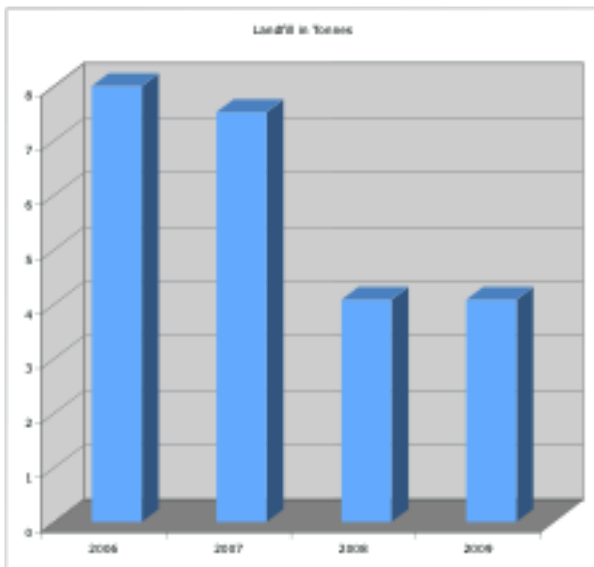
There were no legal infringements in 2009, or has there been in previous years. No new laws introduced over the last 12 months have affected how the Company operate.

Please find in appendix A for a shortened version of our legal register holding details of relevant laws to our industry.

Significant Aspects and Impacts, Environmental Performance Indicators

Significant aspects of the company include the usage of ink, paper, electricity, chemicals, aluminium plates and waste created. The main change for the company over the last 4 years has been a shift from just printing items to the finishing (folding and binding) of those items, a process that used to be outsourced. So although number of impressions has not risen, increased production in finishing has effected our environmental improvement indicators from 2008 onwards, explanatory notes have been included.

HIGHLIGHTS INCLUDE



AJ Thorpe
25 June 2010

The following environmental performance indicators are considered to be the Company's significant aspects.

	2009	2008	2007	2006		
	Per million Impressions	Per million Impressions	Per million Impressions	Per million Impressions		
B2 Sheets printed in millions	19.426	24.769	24.007	23.878	note a.	☹
Solvents used in litres	142	123	123	141	note b	☹
Electricity in MWh	18.594	15.324	15.633	14.490	note c	☹
Water used in cubic meters	28.8	26.44	20.79	18.6	note d.	☹
Liquid hazardous waste in litres	3.56	5.81	18.4	0		☺
Waste ink in tonnes	0.041	0.053	0.064	0.061		☺
Ink used in tonnes	0.26	0.25	0.26	0.23	note b	☹
Fuel used in litres	465	513	550	680		☺
Landfill in tonnes	0.21	0.16	0.31	0.34	note e	☹
Paper, Cardboard & Plastic Wrap recycled in cubic metres	44.53	33.36	33.45	34.68	note e.	☹
% of paper bought from FSC or recycled sources	99%	93%	62%	15%		☺
Aluminium printing plates	190 (first year this indicator has been measured)					
Isopropanol alcohol used 0 litres – Waterless print does not require this solvent						☺
Complaints	0	0	0	0		☺
Approximate 58CO2 tonnes, 2.99 CO2t/mi calculated using Pure Trust Carbon calculator					note f.	

Notes:

- a) Our impressions have included the click count from our digital machine that takes a B3 sheet, the count for 2007 was 802,820, the equivalent of 401,410 B2 impressions, for 2008 1,846,561 = 923,281 B2 impressions, 2009 was 2,146,070 = 1073035. It also includes the count for the 2 colour press which no longer prints but creases through the Cito mechanism – the recorded impressions were 1,301,893 for 2007 and 1,419,260 for 2008 and 857,649 for 2009. Points 4, 8, 9 and 10 have excluded the digital and cito impressions in the calculations of the data (16.853 million for 2009, 21.504 million for 2008, 21.903m for 2007 and 23.587m for 2006) as those purchases/waste streams are not affected by the digital press, or cito operations. The adjustment creates a true analysis.
- b) The amount in litres has not increased but gauged against the number of impressions the ratio is up, the Company handle far more multiple section work and shorter runs so far more blankets, plates, ink and cleaning products are used.
- c) Electricity hasn't increased in quantity MWh (2009 361MWh v 2008 379MWh) but number of impressions are down. With a stitcher that worked 550 hours last year, plus an additional label machine producing over 500,000 labels, and collator the demand on power increased dramatically. The highest half hourly recorded usage before the stitcher was 51kwh, after the stitcher was introduced it went up to 69kwh.
- d) With an increase in finishing staff the Company had on average an extra 5 people making cups of tea and using the toilets, believe it or not this can account for an extra 38 cubic metres a year. In addition to this with an increase in multiple section work more plates have been produced using more water. 2008 655 cubic metres v 2009 655 cubic metres.
- e) Landfill hasn't increased in volume, but due to a decrease in number of impressions relatively it looks like an increase. The increase of paper waste is from the higher volume of in-house finishing.
- f) 2009 figures were calculated using The Pure Calculator which is based on site activities only, the electricity figure of 155t/co2 (163t/co2 in 2008) was excluded as we source it from Ecotricity providing natural renewable sources. The calculations include freight transport by works van, car transport, staff commute, water, home offices – 3 part time staff now work from home. We do not generate our own renewable energy.

AJ Thorpe
25 June 2010

EMAS STANDARD RATIOS

With EMASIII the introduction of new ratios has become a requirement, these environmental performance indicators will now be included in each report, with comparison to this the base year.

Material purchased / Waste = 429 tonnes of paper and 4.412 tonnes of ink and 1.920 tonnes of chemicals (White spirit, blanket cleaner and ink stripper) / landfill waste (50 collections x 80kg* = 4 tonnes) + special waste (5.54 tonnes) + paper (129.43 tonnes), cardboard (0.68 tonnes) and plastic wrap (0.17 tonnes) = $435.332 / 139.82 = 3.1135$

* Average weight. Aluminium plates, blankets and toner cartridges weigh the same as an input, and output so they have been excluded.

Energy / Head count = 361.215 mwh / 19 permanent staff and on average 3 temp staff = 21 office based staff = **17 Mwh per person** The company buys energy from Ecotricity on the New Energy Plus tariff which comes from 100% renewable sources.

Water / Head count = 560 cubic metres / 21 = **26.7 Cubic Metres per person**

Output in tonnes / number of employees = $429 \times 80\% = 343$ tonnes / 21 = **16.34 tonnes per person** (assuming 20% of paper is wasted in the production process)

Emissions / Head count: 58t/co2 using the calculator provided by The Pure Trust – Emissions are calculated from freight transport by works van, car transport, staff commute, water, home offices – 3 part time staff now work from home. Electricity is not included (would be 155 t/co2) as it comes from 100% renewable sources.
 $58 / 21$ staff = 2.76 tonnes per person.

Biodiversity of land plot measuring approximately 2000 m2 of which 900 m2 is occupied with the factory, 980 m2 of the remaining area is car parking and loading bay, 120 m2 is grass.

AJ Thorpe
25 June 2010

Environmental Management System (EMS) and Continual Improvement

During 2009 the Company saw a reduction of 4 million impressions on the litho presses, if the Company hadn't adapted to these circumstances staff would have been made redundant, and resources not optimised. No major leaps of environmental performance can be reported. However, our EMS procedures have followed through on the new equipment with careful management of overs, waste, training and maintenance.

Environmental Objectives And Targets Update (using 2006 figures as the base year)

Electricity usage: A 10% reduction relative to production by 2011.

Target: 13041 kwh/mi

2009: 18594 kwh/mi

The target is no longer achievable, since 2006 the Company have introduced 2 digital presses, 2 folding machines, 1 stitcher that are all in use everyday. In addition to this there is a perfect binder, a collator, a label machine that are in regular use. The head count has increased by 5. The relative to production figure is measured against number of impressions, and although the digital presses can record clicks the other machinery do not have a reasonable way to monitor usage, so until there is a like for like situation it will be hard to monitor and show improvement.

The half hourly data has been examined and before the Powerperfector was installed the highest reading over the Jan 08 to Jun 08 period was 80kwh, an analysis of half hourly data from April 09 to March 10 shows the highest reading of 62kwh and that is with all the new equipment.

Increase the amount of recycled and FSC approved papers purchased: Our target is to increase the tonnage bought by 75% by 2011 relative to production.

Target (revised 2008): 95%

2009: 99%

Carbon emissions: The aim is to find a way to monitor and record our Carbon emissions and look at ways to reduce our carbon footprint, and offset it by 2011.

The Pure Trust calculator has been used to monitor site emissions, and offset.

Reduction of landfill waste: The aim is to reduce the amount of waste that goes to landfill by 10% by 2011, relative to production.

Target (revised 2009): 60%

2009: 50%

Reduce the environmental impact from transport: Our target is to reduce the amount of diesel used by 10% by 2011, relative to production.

Target (revised 2008): 24%

2009: 30%

Reduce the amount of products with a hazardous end life: The aim is to reduce hazardous waste by 10%, by 2011, relative to production.

	Waste Ink	Hazardous Liquid Goods	Plastic Containers	Ink tins
Target:	0.055 t/mi	8.28 l/m	8.24 d/mi*	0.229 c/mi
2009:	0.041 t/mi	3.56 l/mi	7.061 d/mi*	0.178 c/mi

*d/mi = drums per million impressions

Every other year we will have hazardous liquid waste as oil is changed from the machines and compressor liquid. The other waste streams we have shown improvements and are very nearly hitting our targets.

AJ Thorpe
25 June 2010

Support Activities and Indirect Effects

The Company remain certificated to the ISO 9001:2008 Quality Management System, ISO 14001:2004 Environmental Management System and Forest Stewardship Council (FSC) Chain of Custody and registered to EMAS.

Work with the local community continued with the supply of 8000 pads to the Samaritans to put in their Purse Shoe Box Appeal at Christmas, these were distributed throughout poorer Eastern European countries. Park Lane Press supported the Green Awards by printing free of charge (FOC) the certificates, programme and judging guides. Orbit Digital printed FOC the covers for a local football team and Salford School Summer fair programme. In April we will be mailing out 1000 copies of the Met Office's Act on C02 brochures, encouraging our clients and potential clients to read the publication.

Chris Pattermore has spoken to 25 people at the AXIS North Wiltshire Business Breakfast Club meeting and to 20 people at the 41 Club on how being Waterless and Environmentally friendly can offer very positive results.

FUTURE PLANS

We are fast approaching the end of our 5 year environmental targets, and we are thinking of the next 5 years. It is difficult to know where we will be in the next 5 years, what resources will be required and therefore what relevant targets to set for ourselves. Another difficulty we encounter is that as we have improved in most areas since 2002, leaving less room for improvement! However, we will endeavour to monitor and maintain our high environmental performance levels.

Targets we plan to implement during 2010-2015 will cover:

1. Water use reduction – Via a raincatcher
2. Energy use reduction – Better insulation of building
3. Reduced fuel use – More fuel efficient vehicles, more in-house finishing
4. Reduced commuter miles – encourage walk, cycle to work schemes and car pool sharing.
5. Reduction in hazardous chemicals used – trial solvent-free, water-based wash-up solutions and processless plates
6. Reduce landfill – Further segregating rubbish that goes to landfill.
7. Achieve PAS2020:2009 supplier status

CONCLUSION

Over the last four years the Company has pushed on and continued to improve it's environmental performance through difficult and challenging times. The team at Park Lane and Orbit Digital feel proud of their achievements to date and look forward to the new challengers to be set during 2010 and onwards.

VERIFICATION

Further to consideration of the documentation, data and information resulting from the organisation's internal procedures examined on a sampling basis during the verification process, it is evident that the environmental policy, program, management system, review (or audit procedure) and environmental statement meet the requirements of Regulation 1221/2009 (The EMAS Regulation).

Done at Park Lane Press and Orbit's premises on 20th April 2010

Signed

AJ Thorpe
25 June 2010

AJ Thorpe
EMAS Verifier

On behalf of: SGS United Kingdom Ltd (EMAS accreditation number UK-V-0007)
Rossmore Business Park
Ellesmere Port, South Wirral
England CH65 3EN