

Environmental Statement 2015

Reporting period 1 January 2014 to 31 December 2014





EMAS - the Eco-Management and Audit Scheme, is a voluntary initiative designed to improve companies' environmental performance. It was initially established by European Regulation 1836/93, although this has been replaced by Council Regulation 1221/2009.

Its aim is to recognise and reward those organisations that go beyond minimum legal compliance and continuously improve their environmental performance. In addition, it is a requirement of the scheme that participating organisations regularly produce a public environmental statement that reports on their environmental performance. It is this voluntary publication of environmental information, whose accuracy and reliability has been independently checked by an environmental verifier, that gives EMAS and those organisations that participate enhanced credibility and recognition.

EMAS is strongly backed by Government and the environmental regulators - organisations who participate are recognised as making strong commitments to the environment and to improving their economic competitiveness.

John Early
For and on behalf of NQA
Verifier ref: (UK-V-0012)
14 January 2015



Welcome ...

Welcome to the first EMAS Environmental Statement produced by Anglia Print.

Anglia Print is very proud to have its environmental performance externally verified and made publicly available...and in doing so become the first EMAS registered printing company, not just in Norfolk and Suffolk, but in the East of England.

As an environmentalist it was, and remains, very important to ensure my company is environmentally progressive and responsible. I believe that external verification of our efforts and performance - via recognised schemes and awards – is the most effective endorsement of what we do. In 2014 we invested resources in formalising our environmental management and seeking external verification. ISO 14001 certification and EMAS registration have been achieved in just over six months – which we believe to be a record – and icing on the cake.

As someone with a passion for print and a family background in the printing industry, it's important to play a role in improving the environmental image of the printed product. Our working practices and company efforts are proof that the printed product can be sustainable.

In the UK, the printing industry remains the main growth area for EMAS. This can only be positive for the environmental image of print and we are proud that in gaining EMAS registration we are, as well as benefiting internally, helping to raise the profile of this increasingly important scheme.



John Popely

Director

*Every aspect of our business is geared towards
minimising our impact on the environment.
Eco, green printing isn't a must for us
it's just the way we are ...
printing with the environment in mind*

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Anglia Print Ltd

Anglia Print Ltd is a commercial printing company based in Norwich, Norfolk and Beccles, Suffolk. Employing five staff, it is the only printing company in the region to be officially certified as CarbonNeutral® by the CarbonNeutral® Company.

The company was founded, as Anglia Printing Services, by Fred Popely in 1978. In January 2004 current owner, John Popely, joined his father and Anglia Printing Services moved to larger premises in 2005, becoming Anglia Print Ltd in 2008.

Anglia Print offers a 'one stop' lithographic and digital print service: from design through to final delivery or mailing. Using the latest, state of the art waterless printing systems, the technology means no chemistry used in production is harmful to the environment; only printing using non Soya oil based inks; and the only Carbon Neutral® printing company in the region completely powered by green energy. A diverse range of post-printing capabilities are offered including folding, stitching, mailing and associated operations and services and all operations are housed within one, leased unit.

The product range is broad and stretches from short runs of leaflets digitally printed to long runs of litho-printed full colour brochures and books whilst the client range is diverse and ranges from local traders to national organisations.

European Community NACE code

Our site: manufacturing subsection DE 22.22, other printing.

Scope

Provision of printing services.



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Environmental Profile and Certification

Anglia Print is, relative to its size, the most decorated printing company in the United Kingdom and environmental initiatives are at the heart of everything we do.

A diverse range of internal initiatives and policy decisions are in place:

Electricity: Our electricity is purchased from Ecotricity, on a 100% from renewable resources tariff. Electricity is used for lighting and powering equipment. Low energy lighting is in place and our heating system recycles generated heat.

Presstek litho press:

The purchase of our state of the art waterless lithographic press was based on environmental factors (remembering that most environmental initiatives also bring cost savings):

- **IPA (Iso-Propyl Alcohol)** is not required, thereby improving press room air quality and reducing our generation of volatile organic compounds (VOCs).
- **Processless (chemistry free) plate production:** Our litho printing plates are created by a process that requires no chemicals or water.
- **Blanket wash:** blanket wash is recycled on site (reused on our litho press).
- **Energy:** Reduced set up times and improved running speeds reduces our energy use

Waste

Anglia Print has specialist waste streams in place for ink, ink tins and printing plates, these are collected by printing industry specialist J&G Environmental. Recycling streams are in place for paper and cardboard, collected by MW White. All other waste is placed in a container provided by VC Cook and collected once a week. This waste is sorted and items / materials stored and sent in batches for reuse (in other materials, e.g., construction materials), recycling or, where opportunities for reuse do not exist, used as an energy source. None of our waste has gone to landfill since 2005.

Certification and external endorsement

Anglia Print became ISO 14001 certified in 2014 and EMAS registered in 2015.

Anglia Print was the first printing company in East Anglia to gain Carbon Neutral status: our unavoidable CO² emissions are offset. Additionally, Anglia Print has achieved, and maintains, Gold level of the Suffolk Carbon Charter.

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Environmental Management

Anglia Print aims to fully understand, manage and reduce the environmental impact of its operations.

Anglia Print is committed to continually improving its performance, ensuring compliance with all legislation, preventing pollution and reducing the environmental impact of its operations.

We now have in place systems for managing the environmental impact of our operations and ensuring we comply with all legislation. In autumn 2014 we will be formally audited against the standards of BS EN ISO 14001:2004 and in January 2015, we will be audited for EMAS (Eco Management and Audit Scheme) registration and publish our first EMAS Environmental Statement.

Our Environmental Aspects Register will be our framework for setting targets and objectives for improvement.

For the next six months we will focus on:

- Formalising our Environmental Management System
- Gathering performance data in accordance with EMAS regulations

Our Environmental Policy will be updated in February 2015. It is displayed internally and publicly available on request.

Organisation and Responsibilities

All staff are aware of our aims and actions via employee communications.

Actions and communications are led by John Popely (Director) with external input from a specialist environmental consultant.

John Popely
Director

December 2014

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Reduce

Reuse

Recycle

Environmental Management System (EMS)

Anglia Print's aim is to fully understand and minimise the environmental impact of our operations. Our Environmental Policy confirms our commitment to continually improving our environmental awareness and performance.

Our Environmental Management System conforms with international standards set by ISO 14001 and acts as a framework for environmental awareness, compliance with legislation and continual improvement. Combined with EMAS we have in place a robust system for environmental management.

Through ISO 14001, we:

- maintain an externally audited register, of our direct and indirect environmental impacts, that forms the foundation of our EMS
- identify our potential significant environmental impacts
- monitor and manage our environmental impacts
- maintain a database of legal and other requirements
- set specific targets and objectives for environmental improvement
- undertake regular internal audits for legal compliance and to check that our EMS is working effectively

Through EMAS, we:

- gather performance data
- monitor and analyse our performance in detail
- publicly report, after external verification, our environmental performance

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Significant Environmental Aspects

Anglia Print has conducted an exhaustive evaluation of its operations in order to establish environmental impacts. We maintain a register of all impacts and those we class as significant, and why, are:

Energy use – electricity - generation from non-renewable, fossil fuels. Carbon emissions.

General waste - safe storage and volumes sent for reuse

Chemical / oil spills. Discharge to / contamination of surface drains or land – potential pollution

Purchased goods – paper and packaging: Concerns around material sources: certified fibre source? Environmental impact of papermaking

Emergencies (fire, explosion, leaks, spills) – potential harm to human health and buildings

We recycle:

- Paper – waste paper sorted for recycling.
- Fluorescent tubes – are recovered and recycled for industry.
- Broken pallets – turned into bird / insect boxes or shredded for reuse as chippings.
- Toner and print cartridges – recycled.
- Empty ink cans – recycled.
- Batteries – recycled.
- Cardboard – recycled
- Food waste – composted via hot composter.
- Aluminium drink cans – recycled.
- Glass – recycled.

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Legal Compliance

We maintain a manual for our Environmental Management System (EMS), including relevant legislation and codes of practice; through ISO 14001 this is externally audited for accuracy and compliance. The following legislative requirements we feel to be especially significant:

Duty of Care

All waste generated by Anglia Print is collected for recovery or safe disposal by licensed companies. Our EMS demands that we check and hold copies of each company's license.

Water Industry Act: Trade Effluent Discharge Consent

Our water is supplied by Essex & Suffolk Water. Our current water use and disposal is classed as domestic and discharge consent is not required.

Hazardous Waste Regulations

We are registered with the Environment Agency under the Hazardous Waste Regulations: OMC803, as a hazardous waste producer.

Environmental Permitting Regulations: Emissions to air:

Our low solvent use, and associated emissions to air, means we do not need a Local Authority permit.

Producer Responsibility Obligations – Packaging Waste

Anglia Print does not handle more than 50 tonnes of packaging each year and is, therefore, not obligated under the Packaging Waste Regulations.

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Staff Involvement, Internal and External Communication

We are fully aware that staff education and involvement is crucial to the effectiveness of all operations: from our EMS to Health and Safety to internal initiatives to improve efficiency.

With EMAS as a framework Anglia Print began a programme of staff involvement: environmental responsibilities being delegated to staff members.

All new staff receive an induction covering legal and employment matters, health and safety and environmental issues. Internal noticeboards are a main mechanism for ongoing staff communication. Environmental updates are produced two or three times each year.

We recognise the potential for external communication via our website and all appropriate environmental certificates and documents and data will be displayed (a new website will be launched in 2015).

Our proactive use of our website to communicate environmental matters is not purely selfish: we believe it will play a role in raising awareness levels, and, ultimately, standards, within UK print.

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Objectives and Targets for 2015

The purchase of our Presstek printing press facilitated a reduction in our energy use of 40 per cent. Installation of our heat recycling system reduced our energy use by a further 40 per cent. Additional reductions are now extremely difficult - a one per cent reduction is a challenge - but we will continue our efforts.

Aspect: Energy use

Effective energy (electricity) use

Facilitated by our ongoing programme of staff awareness, combined with production, efficiencies, we aim to reduce our energy use.

Specific objective/target: Electricity: 1% relevant to annual turnover

Aspect: Emergencies (fire, explosion, leaks, spills)

Prevention of onsite incidents

Stringent safety mechanisms and emergency procedures are in place and communicated to staff.

Specific objective/target: zero onsite incidents.

Aspect: Chemical / oil spills. Discharge to / contamination of surface drains or land

Prevention of onsite incidents

Stringent procedures and safety mechanisms are in place for spill prevention and action in the event of a spill.

Specific objective/target: zero onsite incidents.

Aspect: Purchased goods – paper and packaging

A significant percentage of our material purchases are from Forest Stewardship Council (FSC) certified sources but FSC certification will allow us, on behalf of our clients, to use the FSC logo.

Specific objective/target: To achieve FSC certification in 2015.

Aspect: General waste

Anglia Print has not sent any waste to landfill since 2005. Our general waste is collected and sorted for subsequent reuse. In 2015 we will undertake an exercise to establish exactly how this waste is reused.

Specific objective/target: To create a list of waste types we generate and how they are reused or recycled.

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Note: Anglia Print's financial year runs 1 September to 31 August.
Our performance data is for the calendar year.

Energy Efficiency	Units	2014	Gross Annual Turnover £millions 0.249	Ratio 2014
Electricity - 100% Renewables Tariff	MWh	27.39	0.249	110.00
Total direct energy use	MWh	27.39	0.249	110.00

Water Consumption	Units	2014	No. of Staff	Ratio 2014
Water Consumption	m ³	25	5	5.0
Normalised against staff numbers: 5. Reporting period July 2013 to June 2014				

Material Efficiency	Units	2014	Gross Annual Turnover £millions 0.249	Ratio 2014
Paper	tonnes	44.016	0.249	176.77
Ink: process and pantone	tonnes	2.84	0.249	11.41
Total materials purchased	tonnes	46.856	0.249	188.18

Non Hazardous Waste (100% Recycled)	Units	2014	Gross Annual Turnover £millions 0.249	Ratio 2014
'General waste' - sorted for reuse/recycling	tonnes	15.78	0.249	63.37

Hazardous Waste	Units	2014	Gross Annual Turnover £millions 0.249	Ratio 2014
Toner Cartridges	tonnes	0.02	0.249	0.080

Core Indicator: biodiversity	Units	2014	Gross Annual Turnover £millions 0.249	Ratio 2014
One unit: 1,500 sq ft	m ²	139.45	0.249	560.04

Data for the above is collected through: supplier invoices, statements and delivery notes.

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Emissions

Carbon Dioxide Equivalent (CO ₂ equivalent)	Tonnes	Turnover £m	Ratio 2014
Direct energy: electricity	13.54	0.249	54.38
Delivery transport fuel	3.52	0.249	14.14
Total	17.06	0.249	68.51

Total annual air emission	Tonnes	Turnover £m	Ratio 2014
SO ₂ - Sulphur dioxide	0.28191	0.249	1.132
NO _x - Oxides of nitrogen	0.02300	0.249	0.092
Total	0.30491	0.249	1.225

Methodology for emissions calculations

Defra / DECC's GHG Conversion Factors for Company Reporting 2014

Emissions of CH₄ and N₂O associated with our use of energy for production, heating and transport purposes have been taken into account in the calculation of our greenhouse gas emissions (above) which are expressed as tonnes of Carbon Dioxide Equivalent (CO₂ equivalent). Our processes do not produce significant emissions of other air pollutants (such as Hydrofluorocarbons, Perfluorocarbons, Sulphur hexafluoride). No electricity is generated on site.

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Environmental Incidents

Environmental incidents are recorded and discussed at Management Review meetings, as a requirement of ISO 14001. No incidents were reported during 2014.

Support Activities

Federation of Small Businesses

Anglia Print is a member.

East Anglian Air Ambulance

Anglia Print supports the East Anglian Air Ambulance.

In 2014, Anglia Print has donated over £36,000 to local charities through services in kind and free design. Our charity donations are published in our annual accounts each year.

Awards



2014



2009



2009



2008



2006



2005

Conclusion

With the gaining of EMAS registration Anglia Print joins an elite group of printing companies. This going hand-in-hand with a phase of adaptation and investment, we move forward with great optimism.

During 2015 we aim to increase our performance transparency and raise our environmental profile.

We will publish our annual update to this Environmental Statement in February 2016.

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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).

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