



API Laminates Limited
 Second Avenue
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 Stockport
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Tel +44 (0) 1625 650500
 Fax +44 (0) 1625 650580

www.apigroup.com

ENVIRONMENTAL REPORT for 1 January to 31 December 2009

1). Company Policy and Programmes

Company Products - sustainability:

All the laminates manufactured by API fulfill the requirements of European Standards for packaging products as defined by EU 'Producer Responsibility' Directive 94/62/EC. The laminated products supplied by API are non-hazardous (as categorized by EC Directives: 67/548/EC - DSD; 1999/45/EC - DPD; 2001/58/EC - SDDSD). API also have the capability to manufacture laminated products according to the Forestry Stewardship Council Chain of Custody Standard. API's FSC registration number is 037/TT-COC-002393.

API has developed and holds an exclusive licence for the manufacture of the first filmic paper/board laminate that is fully compostable, biodegradable and recyclable. This Portabio™ laminate conforms to DIN EN 13432:2000-12 which is the Certification Scheme for Products Made of Compostable Materials. Conformity is evidenced by the unique registration reference: 7POY254. In 2010 API Laminates will endeavour to finalise development of another packaging industry first, a holographic film laminate that is fully compostable, biodegradable and recyclable.

Company Operations - sustainability:

API Laminates have been certified to the International Environmental Management Standard BS EN ISO 14001 since 1997. API's certification reference is EMS36339.

API ensure the Laminates Factory is operated to a minimum standard of full compliance with the Pollution Prevention and Control (PPC) Permit issued by Cheshire East Council and the relevant Sector Guidance Note IPPC SG6 issued by DEFRA. API's PPC Permit reference is (LA-IPPC/A2/001). In 2010 API Laminates will continue to carefully manage all business activities to minimise impacts on the environment. The money and working time invested in 2007, 2008 and 2009 to achieve environmental improvements and establish an on-site recycling centre will be sustained in 2010. Also in 2010 the environmental impacts associated with business travel will be offset by API contributing to a UK Government assured carbon offsetting scheme.

Community Relations	2005	2006	2007	2008	2009
Complaints from the local community	0	0	0	0	0
Complaints from neighbouring companies	0	0	1	0	0
Number of API commissioned voluntary, independent, environmental assessments of Laminates' Operations	2	2	2	2	2
Instances of Pollution (ref. LA-IPPC/A2/001)	0	0	0	0	0
Interventions from Regulatory Authorities	0	0	0	0	0



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2). ON-site Emissions to the environment (quantities are governed by legislation)

Air Emissions (normal operation on-site): are controlled within permitted limits (see independent extractive monitoring below). API utilise a purpose built thermal regenerative oxidiser to destroy solvent emissions from the manufacturing process. The heat generated is re-used in the factory.

Results of independent extractive monitoring	PERMITTED Emissions (max) [re EU Directive 96/61/EC - IPPC]	2009 ACTUAL Emissions by API
Particulate matter [thermal oxidiser]	100 mg/m ³	nil [visible]
Carbon monoxide	100 mg/m ³	9.4 mg/m ³
Volatile organic compounds (solvents) Production processes	50 mg/m ³	6.3 mg/m ³
Lacquer mixing	75 mg/m ³	35 mg/m ³
Fugitive emissions	20% of total solvents	3% of total solvents (mass balance estimate)

Air emissions (caused by Accidents): Nil.

Water Emissions (normal operation on-site): nil hazardous substances discharged to trade effluent drain. API Maintain a Trade Effluent Consent to discharge non hazardous water based waste.

Constituents of waste water disposed of to foul drain as specified and sampled by United Utilities	PERMITTED Emissions (max) [Consent No. 694TLS26S013]	2009 ACTUAL Emissions by API
Grease and Oil	100 mg per litre of waste water	2 mg/l
Sulphates	1000 mg per litre of waste water	17 mg/l
Toxic Metals	10 mg per litre of waste water	None (limit of detection 0.01)
Waste water PH and Temperature	PH 6 to 10. Temp less than 43°C	PH = 7. Temp = Ambient

Water emissions (caused by Accidents): Nil.



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Emissions to Land (normal operation on-site): Nil direct to land on-site. Refer to Section 4). 'Off-site Emissions – NON Hazardous Waste' for details of waste removed from API premises.

Emissions to Land (caused by Accidents): Nil.

3). Solvent Management

Hazards:

The solvents (alcohols, esters and ketones) used at API Laminates are classified with the following Control of Substances Hazardous to Health Information.

Risk Phrases

Highly Flammable
Irritating to eyes
Repeated exposure may cause skin dryness & cracking
Vapours may cause drowsiness and dizziness.

Safety Phrases

Keep away from sources of ignition
Do NOT empty into drains
Take precautionary measures against static
Do NOT breathe vapour

API comply with all aspects of EU Regulation (EC) No 1907/2006 - the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). As defined by REACH, Laminated products do NOT contain substances of very high concern (SvHC) and do NOT contain other substances giving rise to an equivalent level of concern as specified SvHC. Furthermore no SvHC are generated during the manufacture of laminated products.

Use:

Solvent containing products are used to lacquer laminated board. Solvents are also used for shading lacquer, for cleaning lacquer off application equipment and, depending on product specification, as an alternative to water-based adhesive. Storage and use of solvents and solvent containing products is managed, according to Safe Systems of Work, in enclosed vessels and containers. These methods of work minimise fugitive emissions of solvent vapours (refer to Section 2. 'ON-site Emissions'). To ensure fire risks are minimised, fire prevention equipment that meets the requirements of latest industry standards is installed. This equipment includes: earthing and bonding; intrinsically safe electrical and pneumatic systems in EX zoned areas; static eliminators; LEL detectors and mechanisms for automatic process shut down. All are maintained in effective working order by scheduled maintenance undertaken by suitably qualified engineers. To ensure quantities of solvent used are carefully controlled API undertakes 'on-line' Production Quality Control tests, Laboratory gas chromatograph analysis and keeps records of solvent issue and return to stock. **Between 1 January 2009 and 31 December 2009 API Laminates used 405,700 kilos of solvent/solvent containing products.** For information on disposal of waste solvent refer to Section 4). 'OFF-site Emissions'.



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4). OFF-site Emissions to the environment (quantities are NOT governed by legislation)

HAZARDOUS Waste Disposal & Recycling (weights in kilogrammes):	2005	2006	2007	2008	2009
Total HAZARDOUS Waste [liquid solvent, cleaning cloths etc soaked in solvent & used lubricating oil].	35,800	38,000	37,400	29,400	27,000
<p>The Environment Agency have registered API Laminates as a producer of hazardous waste by issuing API with Registration Number AKX232 .</p> <p>Hazardous Waste Disposal method (audited by API): waste removed from site by licensed Contractor and cleaned and re-used in the automotive industry or incinerated (as fuel for cement kilns).</p>					

NON Hazardous Waste Disposal & Recycling (weights in kilogrammes):	2005	2006	2007	2008	2009
NON Hazardous Waste [solids]	1,738,000	1,661,000	1,268,000	1,082,210	435,510
<p>NON Hazardous Waste Disposal method (audited by API): non hazardous waste sorted by licensed Contractor and disposed of to registered landfill site.</p>					

International Green House Gas Protocol – ‘Scope Three Emissions’

Tonnes Co2e emitted by:	2005	2006	2007	2008	2009
API’s Delivery of Products to Customers	Not accurately recorded				696
API’s Employee Business Travel	Not accurately recorded				47

(emissions to be voluntarily offset by API in 2010)



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5). European Pollutant Release and Transfer Register (E-PRTR)

Under EC Regulation No 166/2006 Organisations are required to place on public record, via their local Authority, the following information:

E-PRTR Pollutant category	Quantities released by API
Releases to AIR	Below minimum reporting threshold
Releases to WATER	NIL
Releases to LAND	NIL
Off-site Transfers to Waste WATER Treatment	NIL (of substances specified by E-PRTR)
Off-site Transfers of NON Hazardous Waste within Country	Below minimum reporting threshold
Off-site Transfers of HAZARDOUS Waste within Country	27 tonnes
Off-site Transfers of HAZARDOUS Waste to other Countries	NIL

6). Consumption of natural resources by API Laminates:

	2005	2006	2007	2008	2009
Electricity used - kWh	3,634,197	3,565,318	3,265,844	2,616,277	1,996,414
Gas used - kWh	7,989,046	7,726,538	6,498,638	5,689,382	4,518,163
Water used - litres	Not accurately recorded		6,414,000	6,388,000	3,766,000