



Environmental Management System
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Environmental Report

Introduction

Waste Dynamics Ltd is a small, highly specialised waste and environmental management consultancy. Based in Mid-Wales, we operate throughout the UK working for local authorities, businesses and not-for-profit organisations advising on waste management, environmental management systems and contaminated land risk. We also provide information and training services, including publishing 'e key facts' and the 'Environmental Management Procedures Sourcebook'.

Established in 2003, we have a diverse client base ranging from small waste management companies through to multi-national PLCs.

We set ourselves the target of achieving Green Dragon Level 5 certification by end of October 2007. The first step of achieving Level 2 was successfully met during 2006 shortly followed by certification to Level 4. Level 5 was successfully achieved in November 2007 and we are extremely proud to among the few dozen Welsh companies to have achieved this key milestone. In November 2008 we also were also successful in gained certification against Level 6 of BS8555:2003, which is equivalent to ISO14001:2004.

Our Environmental Management System encompasses both office-based activities and the indirect effects that arise from our consultancy advice.

Key drivers

Our work involves advising well known names, such as Rolls Royce, Glaxo Smith Kline, BBC, Degussa, Thyssen Krupp Automotive, National Grid - Electricity Alliance, Morrison Utility Services, Nestle, Cadbury Trebor Bassett, Birds Eye and Coca Cola Enterprises on management of their environmental affairs. We also work for many local authorities, housing associations and charities. Our training services are now delivered through our valued relationship with The Key Consultancy Ltd in Bromsgrove. In order that our advice is credible, we need to be able to demonstrate our own commitment to environmental management. One of the main ways that we do this is by operating environmental risk control systems that are certified through the Green Dragon scheme. After careful consideration, we chose Green Dragon as a way of making an important 'statement' on our values and practices in respect of promoting Environmental Management and Sustainable Development in Wales and the rest of the UK.

We are acutely aware of the that we all have upon our planet and wish to do all that we can to minimise any harm that we cause directly from our activities, or indirectly through the supply chain. Systematic review of our business processes and setting challenging targets allows us to do our bit. Helping others to do their bit is also important to us, so we try to ensure that advice that we give helps customers minimise their impacts.

Finally, our reputation is important to us, so we need to do all that we can to avoid contravening any legal requirements that may apply to our work, particularly where such contravention may contribute to pollution of the environment. Maintaining a certified Environmental Management System ensures that we are fully aware of our legal responsibilities and steps needed to ensure compliance.

Priorities

Our Environmental Policy commits us to carrying out our operations in a way which prevents and minimises any adverse environmental impact on land, air, water and natural systems and achieves high levels of reuse, recycling and recovery of waste that we create during our work.

We achieve this aim through the following specific Policy commitments:

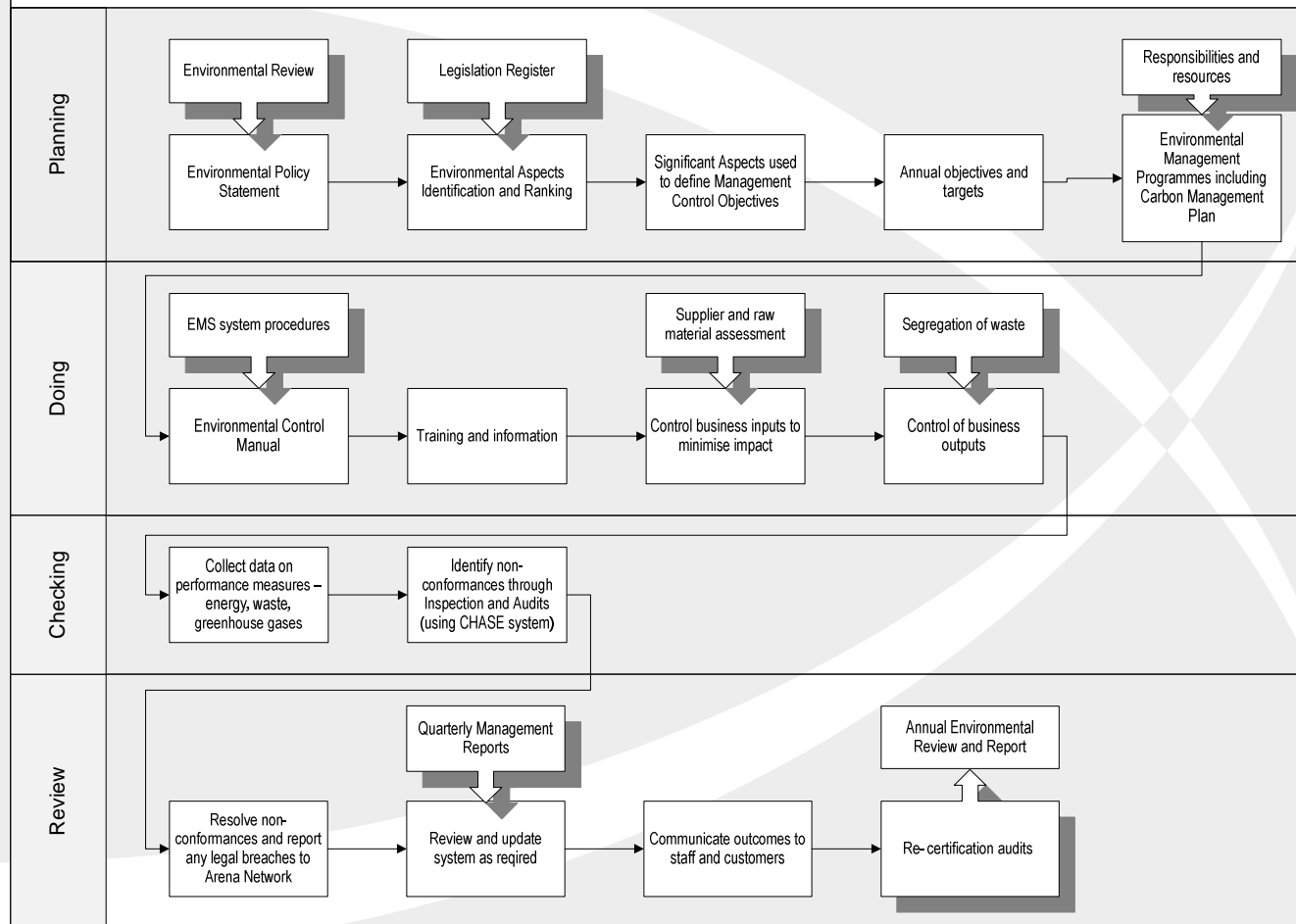
- continual and effective improvement of environmental performance
- compliance, as a minimum, with all applicable legislation, Company requirements and any other adopted requirements which relate to our environmental aspects
- development, implementation and continued improvement of an environmental risk management system that meets the requirements of the International Standards Organisation, ISO 14001:2004, with implementation being phased under the Green Dragon standard
- the setting and review of environmental objectives and targets
- review of our management system and policy to ensure their suitability, adequacy and effectiveness
- provision of suitable and sufficient environmental information, instruction and training to enable all staff to carry out their jobs competently
- selection and monitoring of competent third parties to ensure appropriate standards of environmental management are achieved
- effective communication and cooperation with third parties so that they are aware of our environmental management expectations

To ensure we meet these objectives, we ensure provision of adequate and appropriate resources and ensure that specific requirements are properly communicated and understood.

Management System

Our Environmental Management System consists of the following key elements:

Waste Dynamics – Environmental Management System Elements



Environmental Management Review

A formal review of our environmental management system was undertaken in September 2009. This identified that encouraging progress had been made in addressing our significant environmental aspects and reducing risk scores for several significant aspects. The Company has developed a system of scoring its aspects based on severity, likelihood and overall level of concern/risk. We established that any aspect scoring 7 or above would be treated as being significant. Aspects for which a specific legal requirement applied were additionally weighted to ensure that they were also treated as significant. Based on our successive assessments of significant aspects, a total of 22 specific objectives were set for the 2006/07 year, 6 for 2007/08 and 2 for 2008/09. Of the two objectives set in 2008/09, we are pleased to report that both were achieved. These being:

Objective No.	Objective/Target	Status
Aspect No 2	Off set residual carbon emissions by tree planting	Achieved – our residual carbon dioxide emissions after allowing for the effect of carbon reduction measures was 4.4 tonnes and this was off-set by supporting tree planting through the Woodland Trust. Waste Dynamics is now Carbon Neutral.
Aspect No 65	Provide one day free consultancy support to a local charity to help reduce their environmental impact and enhance sustainable development by 1/10/09	Achieved - we offered our services for free to run training for staff at the Valleys 2 Coast Housing Association.

Objectives and targets

We have used the same methodology in 2008/09, which has identified that as a result of the risk control measures that were put in place in the preceding year, the significant aspects have been held at a total of 3 scoring at or above 7. These are:

1. Emission to atmosphere arising from use of vehicles with a score of 9 (Aspect No.1);
2. Emission to atmosphere from our gas fired office heating system with a score of 10 (Aspect No.2); and
3. Indirect consumption of non-renewable resources through electricity use in the office which scored 7 (Aspect No.38).

A further aspect was also taken as significant because of the positive benefit that it produces and this was the provision of advice to others (Aspect No.65) which scored -44.

Following a systematic assessment of these significant environmental aspects, we have set only three formal improvement targets for the year 2009/10 as follows:

Indicator	Target	Target date
Emission of carbon dioxide arising from vehicle fuel use, gas use in heating and indirect emissions from electricity use	Off-set residual net carbon dioxide emissions for 2009/10 through tree planting ¹	1/10/10
Sustainable development	Provide a further one-day consultancy advice free of charge to a charity or local authority to promote sustainable management practices	1/10/10
Reportable environmental incidents	0	Annual

In addition to establishing these targets for improvement, we also track our environmental performance in respect of energy consumption, green house gas emissions, waste and transport impact. We believe that in respect of these performance measures, we have achieved all that we can reasonably achieve and therefore have decided not to set further targets for improvement, but instead will continue to monitor these performance measures with a view to maintaining current levels of performance.

Legal compliance

We operate formal management procedures that ensure compliance with our responsibilities, including those applying to:

- waste management good practice standards, including the Duty of Care checks, transfer of waste and record keeping
- handling and advising on waste produced by others including being a Registered Waste Carrier and hold both a Certificate of Technical Competence (4TSH) and a Continuing Competence Certificate (TSTMH)
- Hazardous Waste consignment
- registration of exempt waste treatment activities, including our registered paragraph 5 and paragraph 27 exemptions
- assessment and control of atmospheric emissions to ensure absence of dark smoke, odour or other problems
- assessment of supplier performance, including checks for prescribed substances present in products we purchase
- formally recorded environmental and health and safety risk assessments.

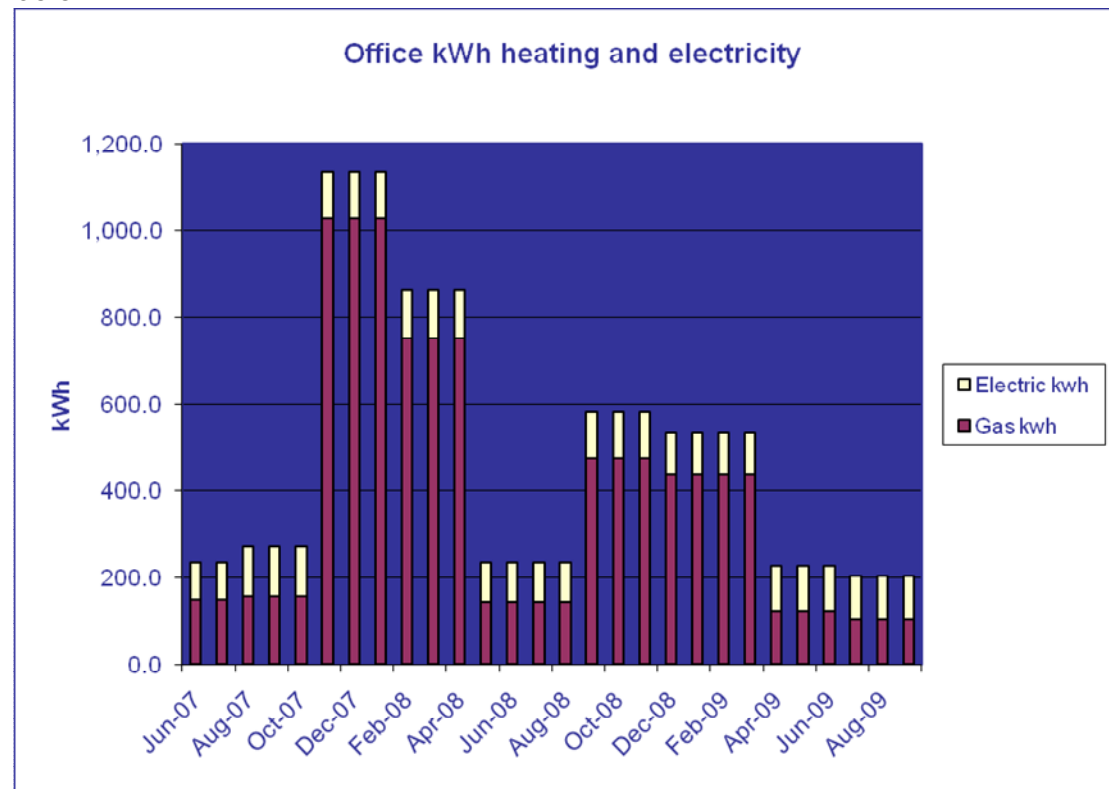
During 2008/09, we again demonstrated high standards in identification and compliance with these legal responsibilities. We maintain comprehensive libraries of all environmental Acts and Regulations that may be relevant to our activities or the advice that we offer. In addition, to help promote greater

¹ Tree planting is subject to DEFRA guidelines

understanding of environmental regulation, we have written a series of 20 'e key facts', each summarising an area of environmental law. These are sold on-line and are also distributed to delegates on training courses. Thus we help to ensure that not only do we operate high standards, but that we promote awareness and understanding that reaches beyond our own Company.

kWh gas heating and electricity

Our total year consumption of energy was 4,586 kWh compared to 6,060 kWh in 2007/08. This primarily arose as a result of gas heating for the offices. To reduce consumption, and improve efficiency of conversion, in January 2007 we installed a new condensing boiler system, in 2008 we installed double glazing in our office and in 2009 we further insulated the roof space with blown MMF and installed a wood burning stove as our primary heating source. These measures have had a dramatic effect upon our energy consumption (particularly winter periods) as shown by the figure below.



The total amount of paper waste generated was 72.2 kgs compared to 72 kg in the preceding year. We have done that we can to reduce paper waste by greater use of digital storage of reports, rather than printing out copies for filing and by installing a duplex printer allowing double side printing of reports. All of our paper waste that we cannot reuse directly (as note paper or shredded for packaging) is recycled through the Powys County Council trade refuse recycling scheme.

Our total CO₂ emission was some 5.81 tonnes. This was significantly lower than the preceding year (7.44 tonnes) due to the effect of reduced vehicle

emissions by using biodiesel (from waste cooking oil) and energy reduction in heating our office. We have put in place a carbon management plan to help reduce this impact which can be viewed on the Management Toolbox section of our website at www.wastedynamics.name.

CO2 emissions

Source	Target 2008/09	Total Emission Achieved (tonnes CO2)
Gas heating	1.38	0.9
Diesel (car transport)		4.4
Electricity		0.5
Diesel (train)		0.0
Aviation fuel	0.00	0.0
Total	8.62	5.81
	Offset adjustment	5.81

Reportable environmental incidents

During the year we achieved zero reportable environmental incidents and it is our intention to maintain this level of performance.

Other

The above indicators cover most of the significant environmental aspects that we can control or influence directly. However, a further area of significant impact (mostly indirect) is the effect of our advice and services upon our clients' environmental impacts. Therefore, we have set down additional non-quantified objectives aiming to ensure that advice and services provided at client premises meet high standards through appropriate management control systems and checklists.

This environmental review will be updated annually.



Dr Steve Simmons
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Managing Director