

Environmental Policy

Kilwaughter Chemical Company Limited quarry and process limestone for a variety of uses, such as building materials, animal feeds, horticulture and industrial fillers. The Company also produce a range of bagged products including external cement renders, general-purpose mortars, post setting concretes and a range of hydraulic lime based products.

The Quarrying and Render manufacture operations conducted by the Company are recognised to have an effect on the local and regional environment.

The quarry is situated on the border of an Area of Outstanding Natural Beauty, the Management are committed to the conservation and protection of all indigenous wildlife and the preservation of habitat. The Company also demonstrate a commitment to continuous improvement in environmental performance and in the prevention of pollution or harm to the area.

Current environmental legislation and regulations will be regarded as the minimum standards against which environmental performance will be evaluated.

Kilwaughter Chemical Company will endeavour to minimise energy use and reduce CO₂ emissions. It will continue to invest in improved energy efficient products and technologies. Through careful planning and effective maintenance fuel usage and emissions by vehicles and plant will be minimised.

The company will consider the environmental impact of its products, packaging and raw materials at all stages of the product life cycle. We will conserve resources through efficient and careful planning.

Wherever possible, waste will be minimised and recycled or re-used, all other waste will be disposed of through safe and responsible channels.

The Company and staff of Kilwaughter Chemical Company are committed to a continual improvement in environmental performance. This performance is monitored by a self and third party evaluation of our achievement in implementing these principles and complying with all applicable rules and regulations

Kilwaughter Chemical Company operates an ISO 14001 Environmental Management System illustrating our commitment to our environmental responsibilities. In order to achieve our aims we have set out a range of Policies for continuous improvement in all Environmental aspects of our business.

KILWAUGHTER CHEMICAL CO. LTD.

Simon McDowell
Managing Director

March 2010

ENVIRONMENTAL POLICY

KILWAUGHTER CHEMICAL
COMPANY LIMITED

Our Policies:

Vendor Policy

All projects or purchases of plant and raw materials take into account the energy efficiency and / or waste generation. Where possible energy efficient items, recycled or reprocessed materials or materials from sustainable sources are used. Where a material or service is available from more than one source preferential status is given to suppliers with a proven record or environmental accreditation. When choosing new suppliers consideration is given to the amount of waste packaging. Suppliers are encouraged to reduce excess packaging where possible. Where appropriate, raw materials are sourced in bulk by tanker. In all instances consideration is given to improved energy efficiency, life span and emissions when purchasing any plant or equipment.

Travel & Transport Policy

It is the aim of Kilwaughter Chemical Company to optimise or reduce travel where possible and practical, all journeys will be planned to minimise fuel usage and reduce emissions. No unnecessary journeys are made. Where a journey is necessary, visits or deliveries are grouped geographically. All vehicles are well maintained and a good driving technique is followed. Consideration is given to the use of public transport whenever possible with the exception of air travel which is minimised.

All company vehicles have efficient clean engines. The choice of hybrid or smaller cars is positively supported. All purchases of new vehicles take into account fuel economy and carbon emissions. Old mobile plant is replaced with more energy efficient options at the end of its life cycle. All lorries are limited to a maximum speed of 90 km/h and the fuel consumption and mileage of all our lorries is centrally recorded and monitored.

Employees are encouraged to use green alternatives for travel i.e. cycling or car sharing.

Energy, Impact and Waste Policy

We strive to reduce both waste and power consumption per tonne of finished material on an ongoing basis. We continually endeavour to reduce waste materials and recycle or re-use materials where viable. We consider alternative renewable energies on a continuous basis taking into account current energy prices against installation and running costs. Where the prices are viable, preference is given to the renewable source

The potential impact on the environment of each individual function of our business is categorised and evaluated. From this, actions and targets are set and prioritised according to the potential environmental impact. This outcome is made publicly available. Our design process for new products incorporates reclaimed or recycled materials in formulations and packaging wherever possible. All waste materials generated by us are disposed of by the prescribed routes, where possible waste is recycled or re-used.

Local Environment

It is our policy to reduce the impact of Kilwaughter Chemical Company on the surrounding environment; specifically, the control of dust, noise or others effects that are detrimental either to biodiversity in the area, or cause disturbance or inconvenience to local residents. Levels of noise and vibration from each blast are monitored and plant is kept in good order to ensure that noise levels are within acceptable limits. To minimise disturbance to local residents processes that potentially generate higher levels of noise or dust are not undertaken during unsociable hours.

Biodiversity

It is our aim to ensure that any adverse effects on the environment are minimised and that there is a positive approach to preserving natural habitat and species. We have set aside undisturbed land for use by interested parties and for educational visits. We manage this land carefully and sympathetically to preserve and enhance the biodiversity.

Where any concerns are raised, protected species are found or The Wildlife (Northern Ireland) Order could be contravened alternative arrangements are made to ensure that no irreversible damage is done.

Archaeology

Prior to development, all land is inspected by independent bodies for geological and archaeological finds, and an assessment made as to the impact on the habitat and wildlife in the area. Any archaeological excavation that has been, or will be required is fully funded by the Company. Where work is already underway when a find is made the work is halted until expert assessment can be conducted.

STATEMENT

Introduction

Kilwaughter Chemical Company has been an established mineral and quarry processor since 1939. Quarrying and production facilities are based at headquarters in Larne, Northern Ireland where operations span a 50 acre site. Product lines include limestone sand, aggregate and calcium carbonate powders. Market leading K Rend through coloured render is also manufactured on site. Kilwaughter quarry produces the much sought after Antrim White Limestone used in construction and agricultural industries throughout Ireland.

It is recognised that due to the nature of the business there is a significant demand on electricity and fossil fuels. It is our ongoing aim to reduce consumption of non-renewable fuels and continue to invest in alternative renewable sources.

All Company operations are conducted in accordance with current legislation, and *best practice* recommendations are adopted as the benchmark standard. Contingency plans are in place to deal with any accident and prevent harm to the environment.

We have endeavoured to reduce the use of virgin materials in our products and increase the content of reclaimed or recycled materials. Excess production materials are now incorporated into specialist products to reduce waste to an absolute minimum.

Over the last year our quarrying operation has reached its target of zero waste product; by careful planning for individual markets and of product type manufactured we have been able to ensure all processed material has had a viable use in the marketplace.

Energy

Since precise recording started in 2004 a reduction of CO₂ emissions can be demonstrated each year, over this time there has been a outstanding reduction in kWh's used to manufacture and deliver each tonne of product. A target of a further 3% reduction has been set for coming year.

Year	Kilo Watt hours per delivered tonne	Kg of CO₂ (equivalent) per delivered tonne
2004/2005	163	48.2
2005/2006	161	47.6
2006/2007	148	44.0
2007/2008	137	41.0
2008/2009	131	40.1
2009/2010	124	37.8

The above figures include all aspects of quarrying, processing, manufacture and delivery for render and mineral products.

The total 'Carbon footprint' of Kilwaughter Chemical Co. Ltd for 2009/2010 is 6636 tonnes of CO₂.

Waste

Quantities of all waste generated on site and all packaging used in production are monitored and centrally compiled. Through innovative changes in packaging and pallet design and the recycling and reclaiming of surplus materials the waste generated by ourselves and the end user has been significantly reduced.

Year	% reduction in waste (year on year)
2006	
2007	7%
2008	1%
2009	29%
Reduction in waste since 2006 = 35%	

Travel & Haulage

Kilwaughter Chemical Company operate a formal Travel & Transport Policy. All journeys are planned to optimise efficiency and minimise fuel usage and no unnecessary travel is undertaken. Fuel usage in company cars, vans and lorries is recorded along with the number of flights and other transport journeys. We also monitor the energy usage of all transport services we contract.

With careful planning and optimisation of loads and routes we have consistently reduced the impact of our travel and transport as shown:

Year	Transport and Travel Kilo Watt hours per delivered tonne	% Reduction (year on year)
2004/2005	66	
2005/2006	64	3%
2006/2007	59	8%
2007/2008	51	14%
2008/2009	47	8%
2009/2010	40	15%

Local Environment & Biodiversity

Before quarrying commences in any area the land is surveyed in relation to biodiversity and archaeology so that no protected or irreplaceable item is lost. In 2008 and 2009 Kilwaughter Chemical Company funded archaeologists to excavate two Neolithic settlements found on company land.

To preserve and restore the natural habitat for wildlife Kilwaughter Chemical Company has taken the innovative step of setting aside a significant area of land. This area is being replanted with native broadleaf trees in an effort to restore some of the natural woodland that once covered the area but was lost to grazing.

Year	Number of trees planted	Potential CO ₂ uptake (cumulative)
2005/2006	10190	74 tonnes
2006/2007	7365	202 tonnes
2007/2008	250	332 tonnes
2008/2009	1000	469 tonnes
2009/2010	2790	626 tonnes

Philosophy

Kilwaughter Chemical Company has a philosophy of continual improvement and is committed to reducing power usage and minimising our impact on the environment at both a local and global level. As well as focusing on major improvements in power usage, other actions have been carried out at a local level giving all employees the opportunity to make a difference.

We are part of the 10:10 initiative, a national campaign involving businesses of all types who are and committed to significantly reducing CO₂ emissions in 2010. At a local level we have a Cycle to Work scheme and a number of our employees have taken advantage of this and regularly cycle to and from work.

Kilwaughter Chemical Company is certified to ISO14001 and operates a fully compliant Environmental Management System. We have also demonstrated our environmental credentials and received recognition, as we continue to be rated in the first quintile [top 30] of environmentally aware companies in Northern Ireland (ARENA Annual Environmental Survey of top 200 companies).

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Managing Director

June 2010