

Massey Bros (Feeds) Ltd **Environmental Report 2005**

Chairman's Report

We are now in our second year of environmental reporting. We recognise that our business activities do have an impact on the environment and we have developed our Environmental Policy to provide a system to help manage our environmental impact.

The raw materials Massey Bros use are renewable organic resources and co-products from other processes with minimal waste and so have limited environmental impact. Our most significant environmental impacts come from 2 sources. The first is power consumption at our manufacturing sites which has the effect of producing carbon dioxide – the most widely known green house gas. The second is diesel from our commercial fleet of vehicles which again release various greenhouse gases into the atmosphere such as Carbon Monoxide, various hydrocarbons and Oxides of Nitrogen and particulates.

Taking figures collected over previous years it is possible to see that the carbon dioxide produced per tonne of feed manufactured has reduced continually since the base year of 2002. We had targeted a reduction of 2% in carbon dioxide emissions for 2005 which we have achieved. Using regular monitoring, we aim to continue to reduce the carbon dioxide emissions again this year.

Using figures collected for diesel usage and the types of engines in these vehicles, there have been significant drops in all the measured emissions both in terms of emissions per kilometre and emissions per tonne delivered. This has been achieved by keeping our fleet of vehicles up to date with the latest engine technology specified as each vehicle is replaced.

We have 3 years of water usage figures and the plan to reduce this figure to its previous level from 2004 has succeeded and even been surpassed.

Taking the three areas above and the results we have achieved shows our clear commitment to reducing our environmental impact.

Richard Massey
Chairman

Environmental Policy

Mission Statement

Massey Bros (Feeds) Ltd play an important part in the food chain. As a consequence of this we must satisfy the most rigorous standards of quality control to ensure that the resultant food is safe and wholesome. Animal welfare standards must always be met and we recognise our responsibility to the environment.

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Scope

This environmental policy statement applies to our manufacturing facilities.

Environmental Policy

- We will manage our business activities that have the potential to significantly impact the environment following the principles of BS EN ISO 14001:2004.
- We will comply with all relevant environmental legislation, regulations and other appropriate requirements.
- We are committed to continually improving environmental performance and prevent pollution.
- We will use resources efficiently and take appropriate opportunities to minimise waste through re-use and recycling.
- We will develop environmental action plans with achievable and realistic targets which will be monitored and reviewed periodically.
- We will provide appropriate training and information to our staff so that we are all able to comply with this policy and achieve our aims.
- This policy will be periodically reviewed by the directors to ensure its continuing relevance.

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Kynan Massey
Managing Director

March 2006

Profile of the Organisation

Massey Bros (Feeds) Ltd has 2 manufacturing sites, both in the North West of England. One is based in Holmes Chapel, Cheshire and the other in Preston, Lancashire. It is a family business established over 130 years ago and still run by the family. It produces animal feed at both sites that is delivered to farms from the midlands to Scotland and into Wales.

Management Systems

The board member with overall responsibility for the environmental system is the Managing Director. There is an environmental team that consists of the managing director and the site manager for each site. This team has led the implementation of an Environmental Management system that assesses our environmental impacts. Objectives and targets are set at least annually in accordance with our environmental policy. At each site there is a local team, led by the site manager that ensures the environmental system is implemented. There is an annual review to ensure the system is kept up to date, objectives and targets are assessed and training is reviewed.

Key Environmental Impacts

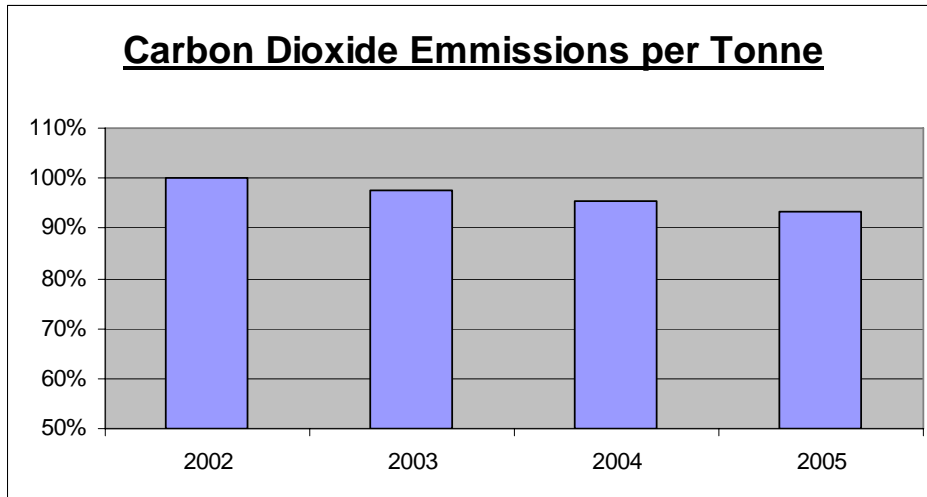
From our environmental management system, we have established that our key environmental impact is the emission of greenhouse gasses (notably Carbon Dioxide.) The greenhouse gases are emitted in two main ways. First, carbon dioxide emitted can be calculated from the grid electricity, gas and gas oil that is used at each site. Second, various emissions can be calculated from the diesel used by our fleet of commercial vehicles and knowing the type of engines in each one. Below is a table detailing the emissions for both Articulated Vehicles and Rigid vehicles by engine specification.

Artic HGV	Carbon Monoxide	Hydrocarbon	Nitrous Oxides	Particulates
Euro I	22	87	893	482
Euro II	18	78	650	185
Euro III	9	47	641	124
Euro IV	7	33	325	24

Rigid HGV	Carbon Monoxide	Hydrocarbon	Nitrous Oxides	Particulates
Euro I	21	113	440	318
Euro II	17	105	316	168
Euro III	9	47	224	113
Euro IV	6	33	158	22

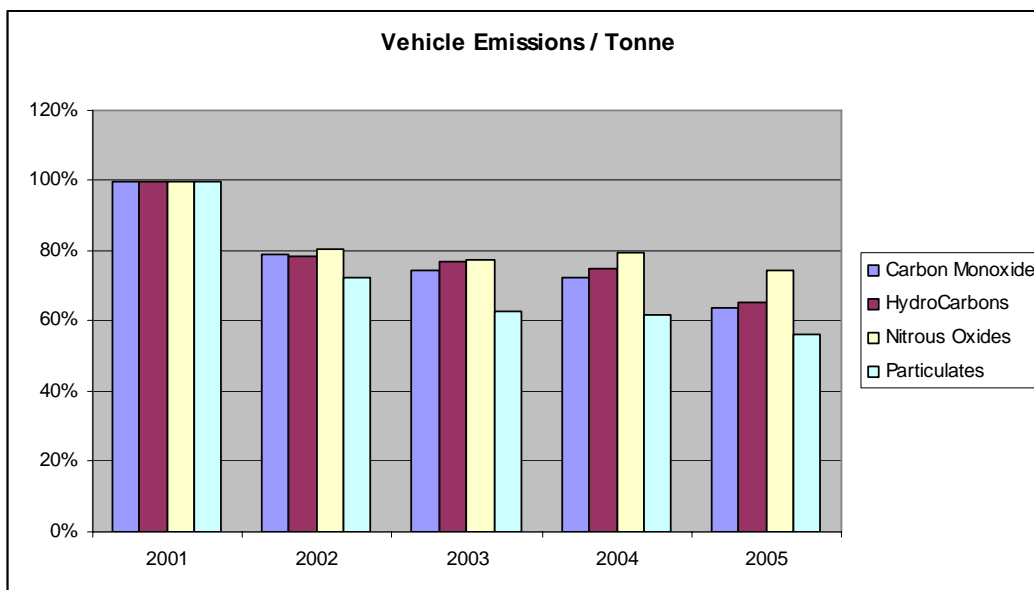
Carbon Dioxide from Manufacturing Sites

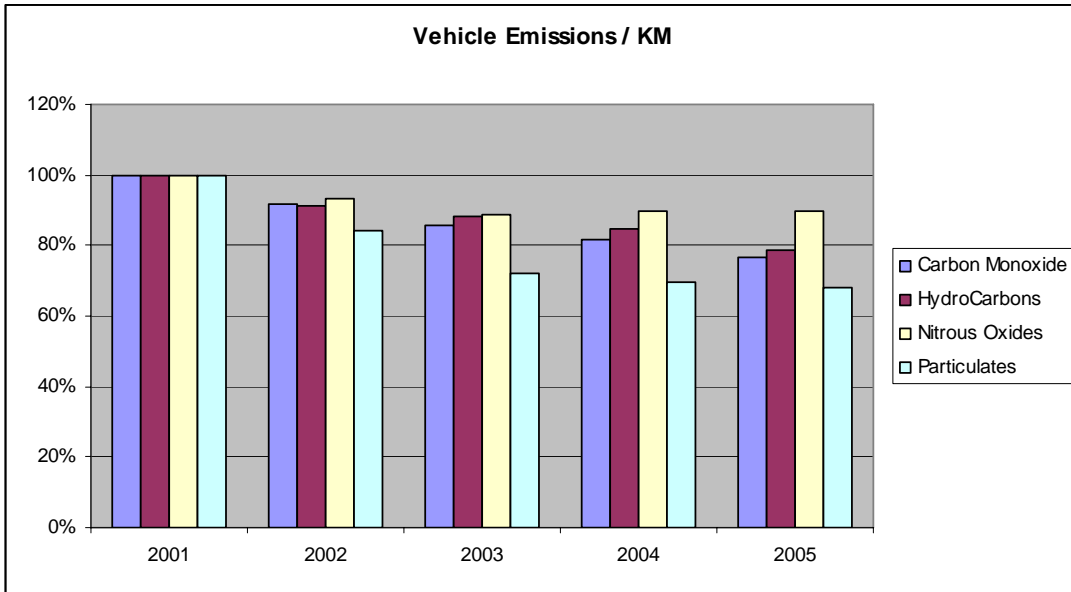
Taking 2002 as the base year, we have calculated the units of electricity and quantity of gas and gas oil used at each site. This has been converted to an amount of carbon dioxide produced and divided by the tonnage manufactured. It can be seen that there has been a reduction in carbon dioxide emitted / tonne feed produced over each of the last 3 years.



Greenhouse Gases from Commercial Fleet

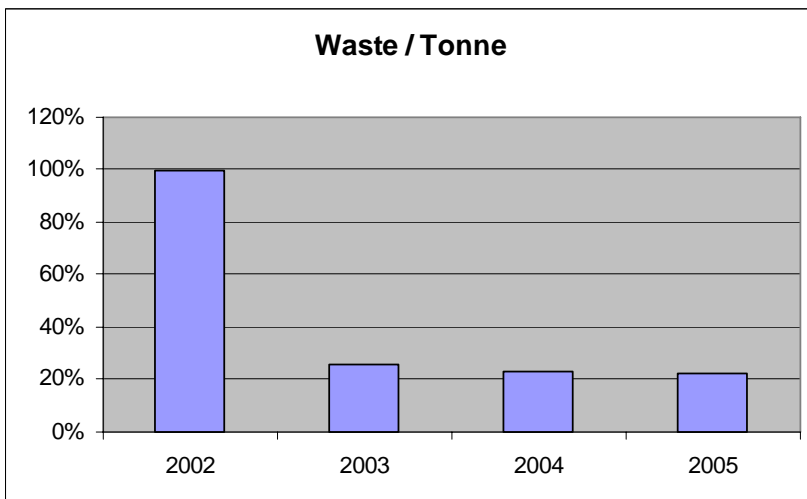
Taking 2001 as the base year, we have calculated the amount of diesel used by each engine specification in the fleet and from this we have calculated how much of each of the 4 measured gases has been produced. There has been a significant reduction in emissions / tonne delivered and emissions / 100 Kms travelled.





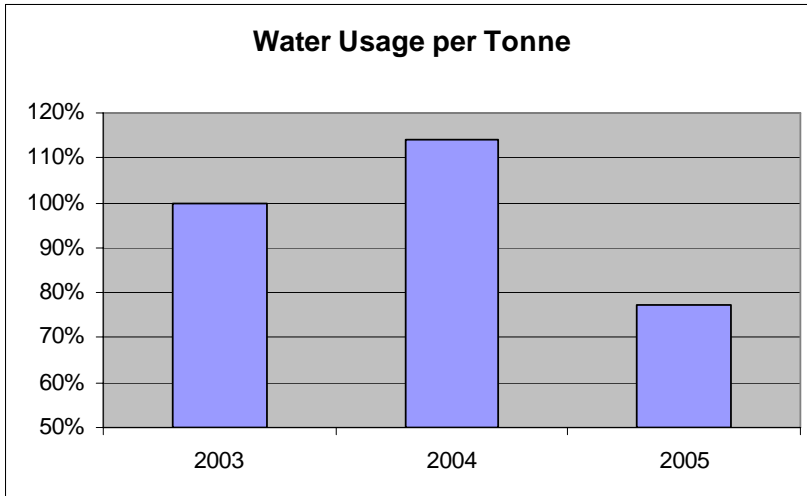
Waste

We are now keeping records of the amount of waste that is produced. In 2003 we began recycling. The effect this has had on the waste we have produced per tonne of feed can clearly be seen from the graph. Since we examined this area of waste in 2002, we have significantly reduced the waste we produce to such a level where it is hard to reduce it any further.



Water Usage

For the last three years we have kept records of our water usage. Taking 2003 as the base year, it can be seen that water usage per tonne manufactured had increased during 2004.



The plan put in place to cut water usage levels to their previous levels was not only achieved but surpassed by over 20% and is currently 77% of the base year.

Conclusion

We have now completed our second year with our environmental management systems in place to help manage our environmental impacts. Our most significant impact continues to be carbon dioxide emissions relating to our power usage. We can see that this has continued to reduce over the last 12 months. We also have a significant impact from diesel usage in the commercial fleet. We can also see that this has reduced over each of the last 4 years and we have implemented a policy of regularly replacing the fleet with the latest fuel efficiency technology to help continue this trend.

It is reassuring to see the plan to reduce water usage has been so effective and we have planned to continue this effect over the coming year.