

Massey Bros (Feeds) Ltd **Environmental Report 2009**

Chairman's Report

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

The raw materials Massey Bros use are renewable from organic resources and co-products from other processes with minimal waste and so have limited impact on the environment. 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 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 until the last 2 years when there have been a number of issues which have identified. We now use regular monitoring to ensure operators run the plant as efficiently as possible and we are undertaking a sizeable investment to replace existing plant with more energy efficient plant. This has been helped by using loans from the Carbon Trust.

Using figures collected for diesel usage and relating them to the types of engines installed in these vehicles, although we show an increase in measured emission over last year, the long term trend is still down. This is achieved by keeping our fleet of vehicles up to date with the latest engine technology specified as each vehicle is replaced and working with our customers to maximise the vehicle capacity.

We have 7 years of figures for the waste produced which demonstrate that we have cut our waste by about 80% since we started to measure it. We now separate it and recycle much more and as a result it will be very difficult to achieve any additional waste reduction as our raw materials are renewable and organic. As a guide, our waste is still about 20% of initial figure and this represents only 0.04% of our production.

We have 7 years of water usage figures and the plan to reduce this figure from its previous high level of 2004 has succeeded and been significantly surpassed. This year has show a reduction in water usage from the small increase over the last 2 years, almost back to our lowest level in 2006. Water is an integral part of the process and these stable levels now reflect that we have approached the minimum usage for the operation.

In summary, both our water usage and waste levels are at a level that is difficult to reduce. Water is an integral part of the process. Our carbon dioxide emissions per tonne have increased but this is where the value of an environmental management system comes in. Our vehicles emissions are continuing their long term downward trend.

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.

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.

Kynan Massey
Managing Director

January 2010

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 who manages both sites. 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.

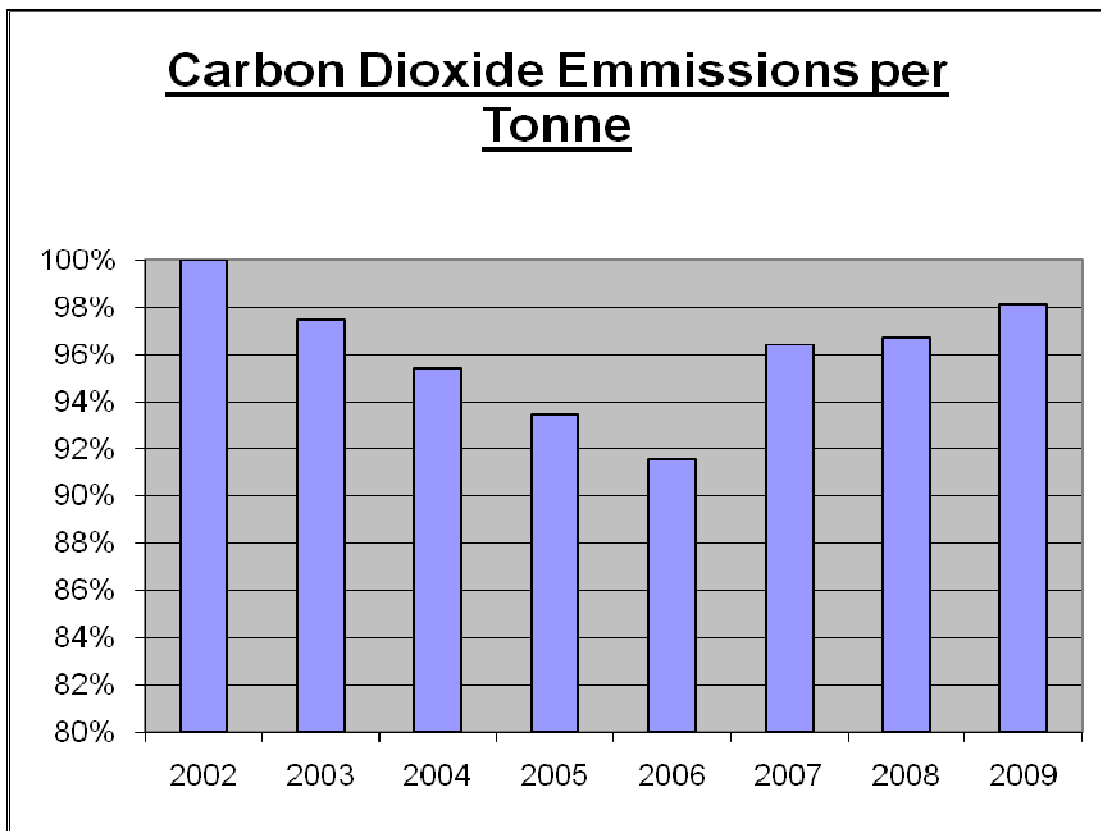
Key Environmental Impacts

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.

HGV	Carbon Monoxide	HydroCarbon	Nitrous Oxides	Particulates
Euro I	4.5	1.1	8.0	0.61
Euro II	4.0	1.1	7.0	0.25
Euro III	2.1	0.7	5.0	0.10
Euro IV	1.5	0.5	3.5	0.02
Euro V	1.5	0.5	2.0	0.02
Euro VI	1.5	0.1	0.4	0.01

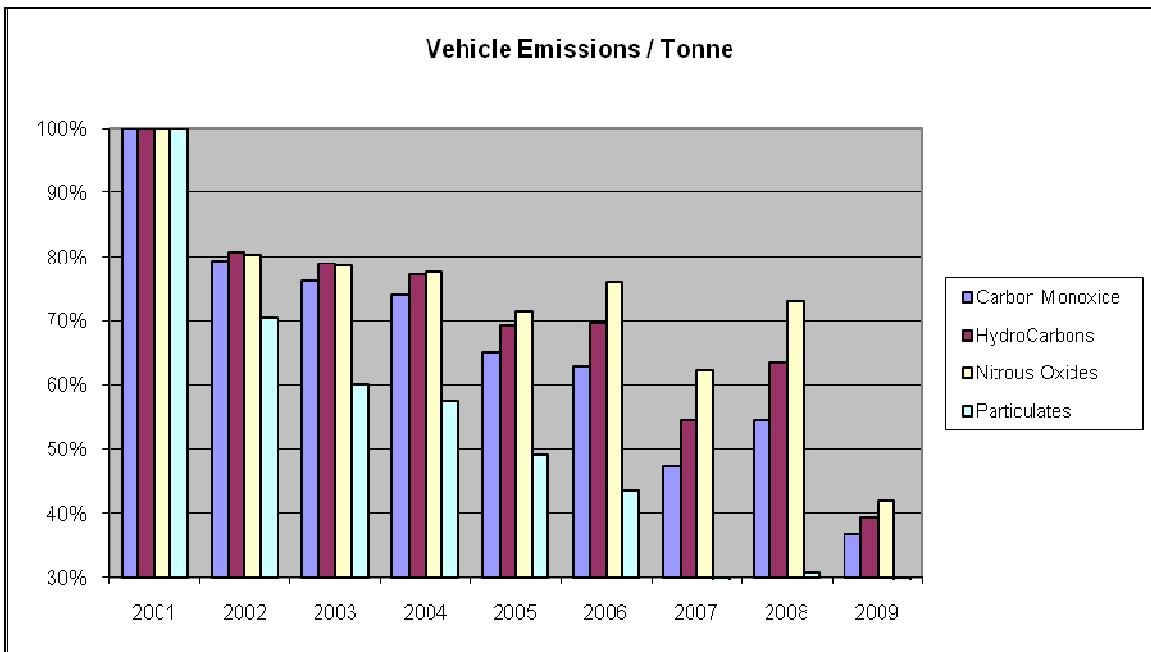
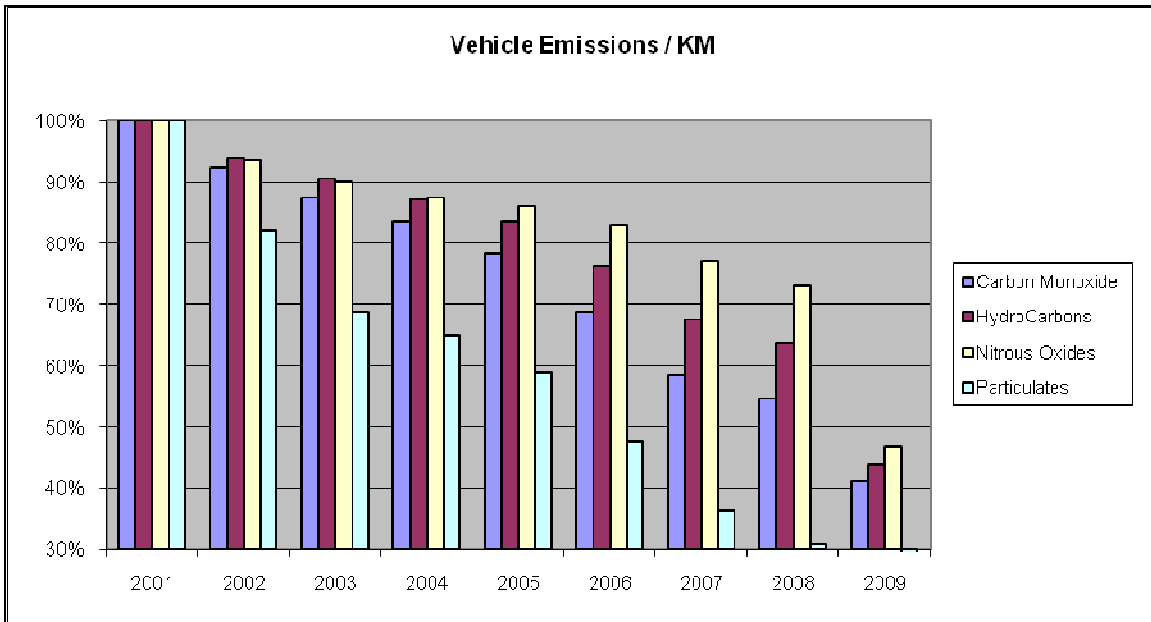
Carbon Dioxide from Manufacturing Sites

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. We work hard every year to try and improve our efficiency and it can be seen that there has been a reduction in carbon dioxide emitted / tonne feed produced until the last 3 years. We will continue our regular monitoring to ensure that the plants are run as efficiently as possible. Last year, we replaced the presses on one of our production lines with a single larger press to help cut energy usage and thus carbon dioxide emissions on that line by about 25%. This has helped cut our electricity usage but an increase in our usage of gas oil and gas has more than offset this reduction. This increase needs investigating so that we can continue our overall reduction in carbon dioxide emissions.



Greenhouse Gases from Commercial Fleet

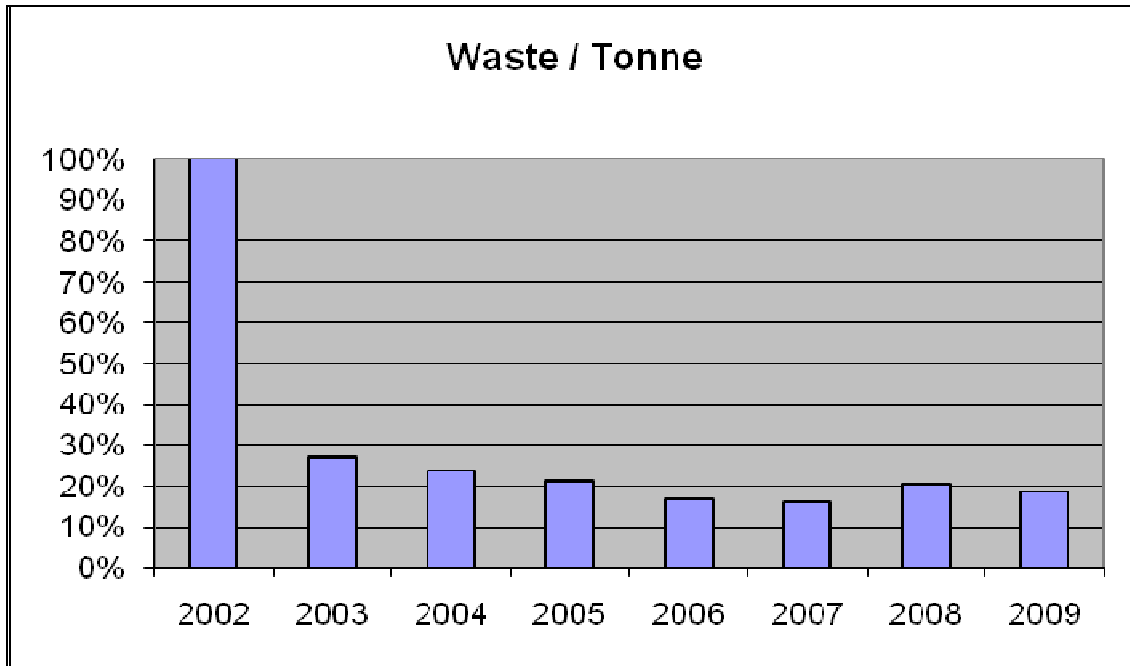
Taking 2001 as the base year, we have calculated the amount of diesel used by each engine specification in the fleet and from this we have calculated how much of each of the 4 measured gases has been produced. There has been a significant reduction in emissions / 100 Kms travelled. Emissions / tonne delivered have increased from last year but the overall trend is still down for each type of emission. The most impressive reduction is in particulates which are now less than 10% of what they were in 2001.



As we continue to replace our vehicles with Euro V and Euro VI vehicles, we will continue to see a reduction in these emissions.

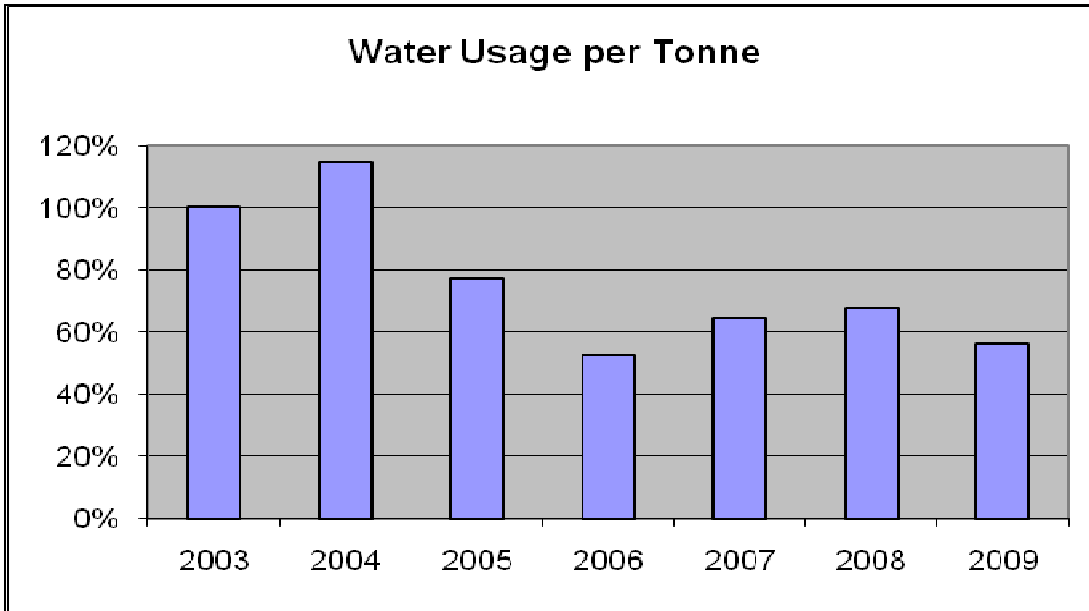
Waste

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 seven years we have kept records of our water usage.



Having seen increases in 2007 and 2008, we have found areas of improvement that have meant a decrease in water usage almost back to our lowest figure which was achieved in 2006. Additionally, the figures do not show that we are using an increasing quantity of non-potable water in our plant which further lessens our environmental impact.

Conclusion

We have now completed our sixth 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 increased again but this is where the value of an environmental management system comes in. With our regular monitoring, we have seen the figures have stopped improving and we have been able to take action. We are investigating our gas and gas oil usage and we are investigating various projects to further reduce our electricity usage.

We also have a significant impact from diesel usage in the commercial fleet. We can also see that this has reduced over each year and we have implemented a policy of regularly replacing the fleet with the latest fuel efficiency technology to help continue this trend.

It is clear to see the benefit of assessing our environmental impact and continuing to measure it year after year. We will continue to try and find ways of reducing our environmental impact but each year it becomes more and more difficult to find additional improvements. Taking the four areas above and the results we have achieved and actions we have taken, this shows our clear commitment to reducing our environmental impact.