



HEALTH, SAFETY & ENVIRONMENT REPORT 2007



Welshpool, Western Australia

The Welshpool plant produces a range of solid and liquid agricultural formulations of herbicides and fungicides, and specialised water dispersible granules.

The site

incorporates five manufacturing plants, using unique processes, which formulate herbicides and fungicides in liquid formulations and water dispersible granules (WDG) with a variety of active ingredients.

The WDG plant on the Kwinana site was closed and most of the production volume has been transferred to Welshpool. The plant operates 24 hours/day, six days per week.



Where possible, we obtain our raw materials in bulk. This avoids generating packaging waste and makes for less cluttered working areas.

Health and Safety Performance

We are pleased with our safety performance in 2006, operating without serious injury. We have now worked 2,982 days (8 years) since the last lost time injury and 497 days since we had a medical treatment injury.

The site safety committee meets monthly, a good mixture of plant and office personnel attend. We believe that the excellent performance relates directly to fixing the problems immediately and not waiting for meetings. Operators take personal pride in their work areas. As we reach each 500 day milestone, small rewards are given, and on occasions larger ones such as go kart racing and lawn bowls are provided.

Wastes

Until two years ago, we were able to dispose of plant wash solutions as a herbicide mix to create fire breaks, but this practice has ceased. We have made a major effort to reduce the volume of water used for washing equipment. All of this is collected and returned to production, with the result that we no longer have any off site use for the material, and we have made modest savings in water.

We used to obtain many of our surfactants in steel and plastic drums, but have arranged with suppliers to have these delivered in bulk, so we generate only a few used drums.

We still need to send some lightly contaminated packaging to landfill, we have estimated the quantity of herbicides which they could contain.

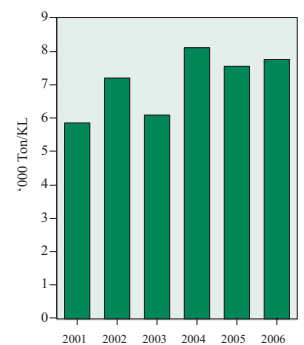
Waste	Ton	Ton	Ton	Destination
	2004	2005	2006	
Herbicides	0.00011	0.00019	.00014	Aquifer
Herbicides	0.225	0.199	0.214	Landfill
Steel drums	54.1	-	10	Recycling
Plastic drums	8.4	-	4	Recycling

Energy Performance

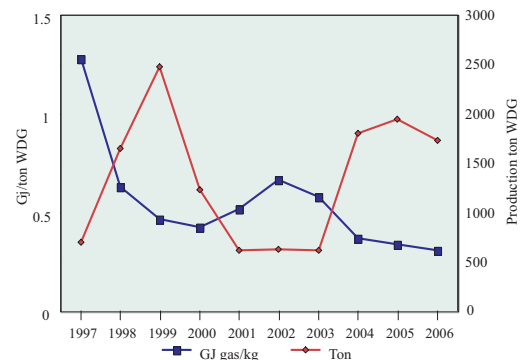
In our granulation plant we have introduced some enhanced controls on the granule drier to give us better control of this operation.

We have also increased our hourly production rate, while still maintaining the slightly lower temperatures, resulting in a further reduction in the amount of natural gas required for granule drying. The graph below shows the continuing improvement.

Production Volume



Gas consumption GJ/ton WDG production



Ton CO ₂	2002	2003	2004	2005	2006
Fuel	109	42	56	52	45
Electricity	871	779	1167	1172	1042
Total	980	821	1218	1224	1087

Air Emissions

There is nothing new to report on air emissions. Some testing done during the year was carried out by a laboratory that did not have the analytical sensitivity we require, though it does meet regulatory demands. All results were below the laboratory's detection limits, which means that our emissions are very low, but we cannot quantify them. A new round of testing will be carried out this year and we will report results in next year's report.

Expenditure

Environmental expenditure included dust monitoring equipment for our extraction fans and additional environmental analytical equipment for our laboratory.

In addition to our normal safety expenditure, this year we focused on forklifts and safety barriers, especially around the entrances to our workplaces. Scaffolding for access to heights was also a focus. An example is shown in the photo below:- normally, people would walk close to the walls of the shed and could be surprised meeting a forklift coming from inside. The barrier forces people away from the wall, which gives both the forklift driver and the pedestrian a chance to see each other, and to avoid each other.

\$A	2002	2003	2004	2005	2006
Safety related	208,655	195,729	138,975	179,500	171,600
Environment	11,143	15,183	81,950	142,500	171,500
Total	219,798	210,912	220,925	293,000	343,100



Testing

Our environmental and safety testing program this year involved 212 measurements. We are pleased that all but one were within expected limits, with one dust level close to operating equipment slightly above the limits. The tests involved measuring scrubber parameters, stack dust emissions, water quality in our aquifer, stormwater quality and occupational dust exposure monitoring. In addition, the entire plant was surveyed for noise levels.

Complaints

There were no complaints from neighbours during the year.

Groundwater

Last year, we reported that we found some minor contamination in the groundwater. We thought that it could have originated from our granulation plant. Concrete flooring joints were re-sealed. Later in the year, analysis of the groundwater showed an absence of contaminants.

During the year, we collected 862 kl of stormwater which was treated and released to groundwater in our soak. Before discharge, the treated stormwater is analysed against our licence limit of max 0.2 ppm for any material used on site. Our analysis showed that for all the actives combined, our discharge was 0.145 kg, well within the licence limits set.

Water Use

We have achieved yet another reduction in the amount of water used in making our products. The improvement comes from a major effort to re-use wash water from our granulation plant instead of using scheme water.

We are constantly reminded of the need to conserve water in our dry environment. The photo below shows an all too regular occurrence, a fire in very dry vegetation, not too far away from our plant.

Water Usage	ton/ton production
2003	0.301
2004	0.266
2005	0.244
2006	0.235



Product Stewardship

On occasion, we are called by a client or a transport company, asking for assistance with a problem they have involving one or more of our products. Even when the incident is not due to any Nufarm action, we are always ready to help as part of our commitment to product stewardship. A recent spill at a transport depot was quickly contained, picked up, the area cleaned up and the problem resolved. The photo below shows two of our people in action.



Community

Each year we support 2 organisations, Blue Light Magazine and the WA Special Needs Children Christmas Party.

The Blue Light advertises Nufarm and monies donated go to kids that are battling against Drugs and Alcohol. This charity is run by the WA police.

The Special Needs Christmas Party is for youngsters that are suffering from life threatening illnesses, like cancer.

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