

M-real New Thames' environmental achievements

2004 EMAS update



M-real New Thames continued to improve its environmental performance throughout 2004 and in February 2005 the mill's ISO 14001 and ISO 9001 certificates were renewed for another 3 years.

Other highlights for the year include.....

- the introduction of several new high recycled content products, EP4, Evolve Office BA and Modo Preprint RCF, from the mill
- oil usage has been reduced by 30%
- innovative work was started on closed loop recycling opportunities for our stakeholders

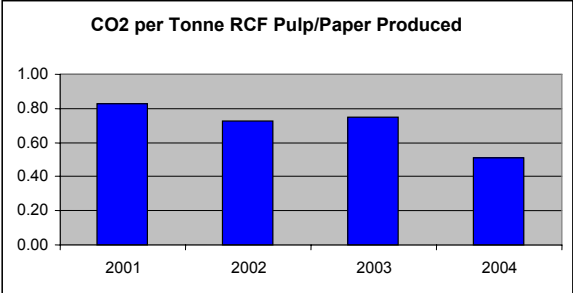
The following tables describe how M-real New Thames performed against its environmental objectives and targets last year.

Purchasing

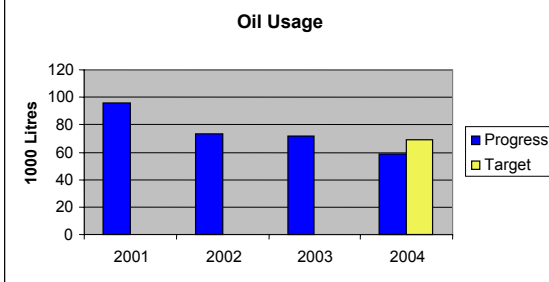
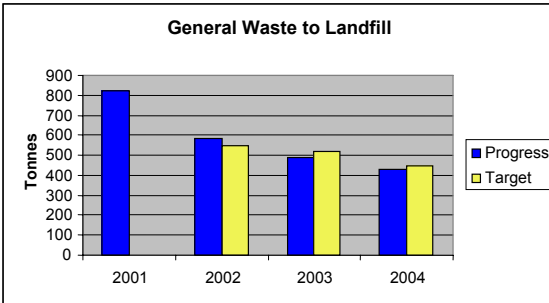
Objective and Target	Performance in 2004
Improve supplier approval system.	A supplier database, including information on their environmental credentials has been set up and will be further developed through 2005. A more robust supplier questionnaire has been developed and tested in-house. This will be rolled out to suppliers in 2005.
Develop a method for assessing the environmental impact of goods and services before purchase	It is the responsibility of departmental managers to ensure that goods or services purchased by their department meet accepted environmental standards. This will be checked through internal audits

Production

Objective and Target	Performance in 2004															
Consider the impact of tank rupture in the major incident response plan.	Major chemical spills are included in the plan and the actions outlined will also be applicable in the case of a tank rupture.															
Complete 100% of routine integrity checks on storage tanks	Complete															
Include noise consideration in routine maintenance	If an item of equipment, for example a steam valve, begins to cause an unusual noise it is mended as a priority. Noise consideration will be included in staff and contractor training from now on.															
Consider noise in all project plans	Potential noise impact is considered on all project approval forms															
Regularly monitor site noise levels	Monitoring equipment has been acquired and baseline readings taken. Noise levels will now be measured quarterly and reported on the Business Improvement System. The mill received one noise complaint in 2004 – on receipt, action was taken to resolve the cause and the complainant updated on progress.															
Raise employee awareness of noise issues	Baseline readings (taken when the mill was shut) and the first monitoring results have been published on the intranet system.															
100% compliance with effluent consents	New Thames breached its hourly effluent flow consent twice in 2004. <div data-bbox="853 1758 1356 2038" data-label="Figure"> <table border="1"> <caption>Effluent Generation Data</caption> <thead> <tr> <th>Year</th> <th>Progress (M³/t)</th> <th>Target (M³/t)</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>12.0</td> <td>14.0</td> </tr> <tr> <td>2002</td> <td>12.8</td> <td>14.0</td> </tr> <tr> <td>2003</td> <td>12.5</td> <td>14.0</td> </tr> <tr> <td>2004</td> <td>13.5</td> <td>14.0</td> </tr> </tbody> </table> </div> The mill's effluent per tonne has increased this year due to a change in operating strategy aimed at maximising the utilisation of the recycled fibre plant, the mill has however continued to operate within its effluent per tonne consent.	Year	Progress (M³/t)	Target (M³/t)	2001	12.0	14.0	2002	12.8	14.0	2003	12.5	14.0	2004	13.5	14.0
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Objective and Target	Performance in 2004										
Reduce energy consumption in line with climate change agreement targets	In 2004 the Paper Industry met its Milestone 2 Climate Change Agreement target.										
	 <table border="1"> <caption>CO2 per Tonne RCF Pulp/Paper Produced</caption> <thead> <tr> <th>Year</th> <th>CO2 per Tonne</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>0.82</td> </tr> <tr> <td>2002</td> <td>0.72</td> </tr> <tr> <td>2003</td> <td>0.75</td> </tr> <tr> <td>2004</td> <td>0.50</td> </tr> </tbody> </table>	Year	CO2 per Tonne	2001	0.82	2002	0.72	2003	0.75	2004	0.50
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Maintenance

Objective and Target	Performance in 2004															
Prioritise oil and fuel tank bunding	The recycled fibre plants oil store was refurbished in 2004 to ensure it met the oil storage regulations.															
Complete 100% of scheduled integrity checks	Complete															
Review oil use and reduce by 10%	 <table border="1"> <caption>Oil Usage</caption> <thead> <tr> <th>Year</th> <th>Progress (1000 Litres)</th> <th>Target (1000 Litres)</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>95</td> <td>-</td> </tr> <tr> <td>2002</td> <td>75</td> <td>-</td> </tr> <tr> <td>2003</td> <td>75</td> <td>-</td> </tr> <tr> <td>2004</td> <td>60</td> <td>70</td> </tr> </tbody> </table>	Year	Progress (1000 Litres)	Target (1000 Litres)	2001	95	-	2002	75	-	2003	75	-	2004	60	70
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Carry out 100% checks on contractor waste	All skips are checked before they are taken off site.															
Maintain awareness of waste management	 <table border="1"> <caption>General Waste to Landfill</caption> <thead> <tr> <th>Year</th> <th>Progress (Tonnes)</th> <th>Target (Tonnes)</th> </tr> </thead> <tbody> <tr> <td>2001</td> <td>820</td> <td>-</td> </tr> <tr> <td>2002</td> <td>580</td> <td>550</td> </tr> <tr> <td>2003</td> <td>480</td> <td>520</td> </tr> <tr> <td>2004</td> <td>420</td> <td>450</td> </tr> </tbody> </table>	Year	Progress (Tonnes)	Target (Tonnes)	2001	820	-	2002	580	550	2003	480	520	2004	420	450
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Recover all recyclable materials	Visual checks of all skips of general waste for landfill revealed that 10% of the waste could have been recycled. The figure was estimated at 13% for 2003.															

Product Use

Objective and Target	Performance in 2004
Investigate possibility of customer waste collections	An investigation into the types and quantities of waste delivered to households as "junk mail" was carried out in Swale. A closed loop office paper scheme is being trialed in Swale in 2005. Discussions are ongoing with a major customer to trial a waste take back scheme.
Publicise waste paper merchants contact details	Details of waste collectors that supply the mill have been published on the intranet.
Support recycling schemes	M-real was the major sponsor of London ReMade in 2004 and continued to support Bioregional's Laundry Project.

System Maintenance

Objective and Target	Performance in 2004
Complete 90% of audits on time	100% of internal audits were carried out on time in 2004
Implement improvements from audits	The system to ensure the implementation of improvements has been strengthened
Test the Major Incident Response Plan	The plan will be tested early in 2005
Improve the Major Incident Response Plan as necessary	Lessons learnt as a result of the test will be implemented as necessary

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