

# Eco-Efficiency Indicators: Waste

WASTE GENERATED [t]	2004			2005			2006			2007			2008		
	hazardous	non-hazardous	Total for a treatment technology	hazardous	non-hazardous	Total for a treatment technology	hazardous	non-hazardous	Total for a treatment technology	hazardous	non-hazardous	Total for a treatment technology	hazardous	non-hazardous	Total for a treatment technology
Recycling	550'916	17'400	568'316	581'771	25'068	606'839	551'865	15'281	567'146	540'826	13'273	554'099	534'436	11'348	545'784
Incineration	108'991	16'927	125'918	124'086	10'879	134'965	117'879	4'942	122'821	108'807	5'633	114'440	108'903	4'480	113'383
Landfill	23'578	7'326	30'904	23'808	7'287	31'095	17'913	7'624	25'537	16'076	13'903	29'979	11'123	13'117	24'240
Treatment	40'695	761	41'456	48'709	1'100	49'809	41'800	911	42'711	43'597	941	44'538	42'868	358	43'226
<b>Total for hazardous and non-hazardous</b>	<b>724'180</b>	<b>42'414</b>		<b>778'375</b>	<b>44'334</b>		<b>729'457</b>	<b>28'758</b>		<b>709'306</b>	<b>33'750</b>		<b>697'330</b>	<b>29'303</b>	
<b>Total waste generated</b>			<b>766'594</b>			<b>822'709</b>			<b>758'215</b>			<b>743'056</b>			<b>726'633</b>
<b>Net Value Added [million CHF]</b>			<b>2'587</b>			<b>2'412</b>			<b>2'154</b>			<b>2'158</b>			<b>1'881</b>
<b>Eco-Efficiency Indicator "Waste Generated/Net Value Added" [t/million CHF]</b>			<b>296.3</b>			<b>341.1</b>			<b>352.0</b>			<b>344.3</b>			<b>386.3</b>
<b>Net Value Added [million CHF] at 2000 exchange rates</b>			<b>3'273</b>			<b>3'051</b>			<b>2'668</b>			<b>2'572</b>			<b>2'681</b>
<b>Eco-Efficiency Indicator "Waste Generated/Net Value Added" [t/million CHF] at 2000 exchange rates</b>			<b>234.2</b>			<b>269.7</b>			<b>284.2</b>			<b>288.9</b>			<b>271.0</b>

Ciba Inc. uses its own sophisticated classification of wastes, which is integrated into the SEEP system. This classification into hazardous and non-hazardous wastes is compatible with the Basel Convention and the UNCTAD Eco-efficiency Guidelines.

The system does not allow the classification into mineral and non-mineral wastes as described in the reporting structure of the UNCTAD Guidelines, although non-mineral wastes are usually either recycled or incinerated, and mineral wastes are usually landfilled. As we cannot assure that all landfilled waste is of mineral quality, we assume that all waste is non-mineral (worst case scenario). We have classified the wastes as hazardous or non-hazardous and the treatment technology into recycling, incineration, landfill and special treatment.

The SEEP system does not allow more detailed categorisation of the treatment technology into recycling, incineration, landfill and special treatment.

Recycled wastes include solvents which are recycled in the processes, and under special treatment we include effluents that are transported as hazardous wastes to external treatment facilities. All wastes are categorised by the site's environmental experts, who select the most environmentally suitable method of disposal. If no suitable disposal method is available, then waste is subject to further treatment on site until it is in a form which can be disposed of in the facilities available.

For the year 2006 waste from former TE sites is not included. Consequently Net Value Added 2006 does not include TE.

