

Results of Environmental Protection Initiatives by the Tokuyama Factory in Fiscal 2018

Degree of target achievement:
Achieved (A) Not achieved (B)

Category	Items		FY2018 Target	FY2018 Result	Rating	FY2019 Target
Environmental Impact Reduction	Atmosphere	Soot	Maintain the current low impact situation*	-27%	-	Maintain the current low-impact situation*
	Water Quality	COD		+7%	-	
		Nitrogen		-8%	-	
		Phosphorus		+10%	-	
	PRTR	PRTR		+16%	-	
Global Environment Conservation	Energy Conservation	Energy consumption on a per-unit basis	3% reduction of per-unit energy consumption by fiscal 2020 compared to fiscal 2005	-8.8%	A	Improved per-unit energy consumption
Waste Reduction	Recycling	Effective utilization rate	Maintain at 92%	93.1%	A	Maintain at 92%
	Zero emissions	Zero emissions to landfills	Maintain 99.9% reuse/recycling rate	99.9%	A	Maintain 99.9% reuse/recycling rate

*Regarding performance data, Tokuyama has set a separate numerical management target for each department to maintain the current low-impact situation. The table above does not include specific numerical targets on atmosphere, water quality and PRTR for Tokuyama as a whole. Instead, the year-on-year difference from FY2017 results is shown.