

Top Message	Interview to Head of Corporate Environmental Strategy Unit	Special Feature 1: Fujitsu Group Environmental Action Plan Stage VIII	Special Feature 2: Digital Innovation	Chapter I Contribution to Society	Chapter II Reducing Our Environmental Burden	Environmental Management	Data Overview	
Reducing Greenhouse Gases (GHG) Emissions and Boosting Energy Intensity at Our Business Sites	Promoting Environmentally Conscious Data Centers	Reduce CO ₂ Emissions from Logistics and Transportation	Promoting CO ₂ Emission Reductions with Our Business Partners	Increasing Amounts of Renewable Energy Used	Efficient Use of Water Resources	Reducing Chemical Substances Emissions	Limiting Amounts of Waste Generated	Product Recycling

Reducing Chemical Substances Emissions

Our Approach

We manage the amounts used for about 1,300 chemicals in the Fujitsu Group in order to prevent environmental risks that could lead to environmental pollution or adverse health effects due to our use of harmful chemical substances. We operate a Chemical Information System called “FACE,” which we use to register and monitor chemicals at every site, manage Safety Data Sheet (SDS), control income and expenditures in conjunction with purchasing data and inventory data, and strengthen our management and efficient use of chemicals.

Summary of FY 2015 Achievements

Targets under the Fujitsu Group Environmental Action Plan (Stage VII) (toward FY 2015)	Reduce chemical emissions to less than the average level of FY 2009–2011 (PRTR: 21 tons, VOC: 258 tons)
FY 2015 Key Performance	PRTR: 19 tons / VOC: 201 tons

FY 2015 Performance and Results

Achieved On-Going PRTR Substance and VOC Emission Targets

Group-wide chemical substance emissions for FY 2015 came to 19 tons for PRTR substances and 201 tons of VOC, thanks to efforts that included enhancing our maintenance of recovery equipment.

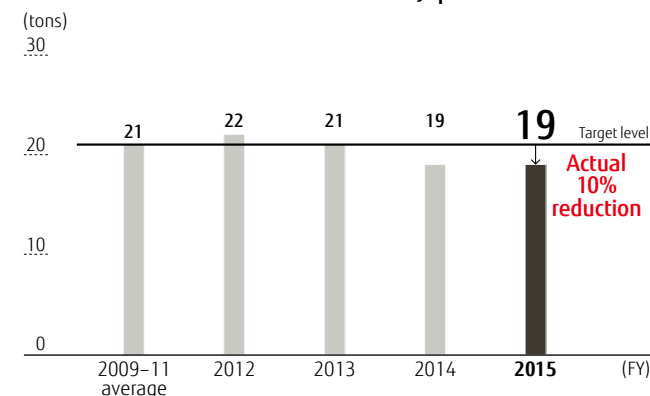
TOPICS

Reducing Chemical Use by Limiting Reuse of Ion-exchange Resin in Pure Water Production Equipment

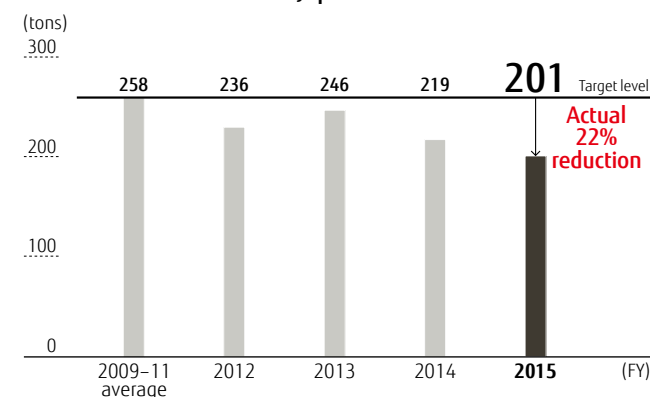
At the Fujitsu Nagano Plant, pure water production equipment is used to supply pure water to the printed circuit board production line. We noticed improvements in the quality of our raw water and have worked to reduce the number of times ion-exchange resins are recycled in the pure water production equipment. This effort reduces environmental burdens by limiting the amounts of chemicals (hydrochloric acid and caustic soda), water, wastewater, and steam used in the recycling process. We are also targeting cost reductions from this approach as well. As part of this initiative, we have exchanged information with the pure water equipment manufacturer and carried out water quality surveys. Our daily checks of the electric conductivity of the raw water and the manufactured pure water have confirmed that there has been no decline in the performance of the ion-exchange resin.

This effort has achieved annual reductions of 89 tons for hydrochloric acid and 200 tons for caustic soda. Along with these lower emissions of chemical substances, the plant has reduced wastewater by 17,000 m³/year, steam by 185 tons/year, and electricity by 38 MWh/year. The economic benefit has saved 16.49 million yen annually.

Trends in PRTR Substance Emissions in Japan



Trends in VOC Emissions in Japan



FY 2016 Targets and Plans

Continuing to Limit PRTR Substance Emissions

Environmental Action Plan (Stage VIII) includes the target to “Reduce chemical pollutant release to less than the average level of FY 2012–2014 (20.7 tons).” In pursuing this target, Fujitsu will continue to limit PRTR emission levels following on from FY 2015.