

Environmental Management System

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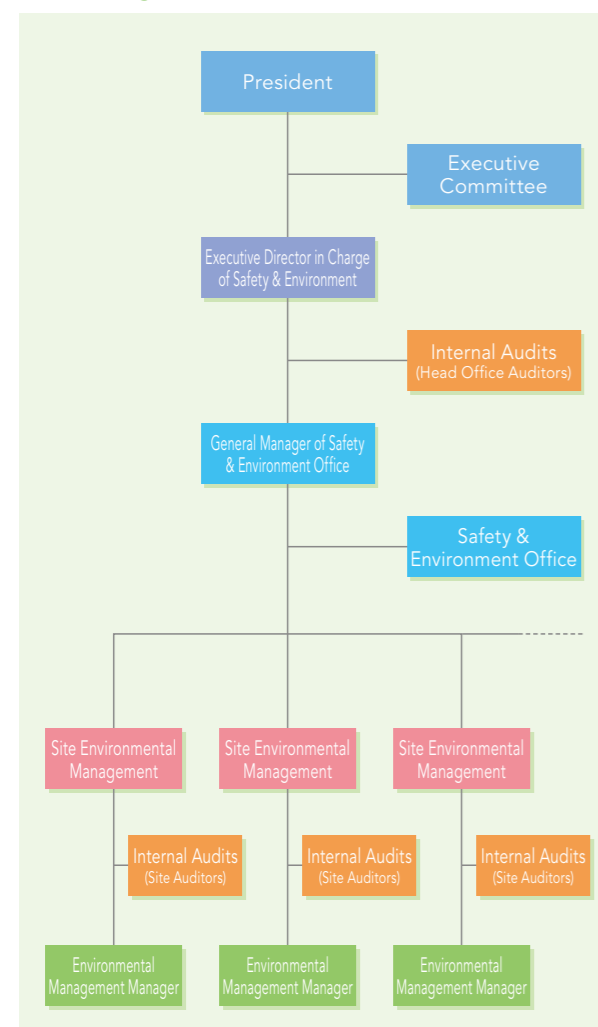
Environmental Management System

TDK has a company-wide Environmental Management System (EMS) which is headed by the company president.

The system is designed to comprehensively address environmental issues that are ever becoming more complex and globalized. It goes far beyond the previous approach focusing on single sites, allowing us to respond promptly and effectively while remaining aware of the big picture.

In addition, the various departments of the head office comprehensively deal with product-related environmental issues that were difficult to deal with under a site-driven environmental management system. The overall framework now provides the basis for managing the business processes of purchasing, manufacturing, and selling.

EMS Organization



Operation of the TDK Environmental Management System

In fiscal 2006, all domestic manufacturing sites of TDK shifted to the company-wide environmental management system (EMS). This allowed systematic operation of EMS, clarifying the direction of TDK's environmental activities. At overseas sites, we obtained ISO 14001* certification by fiscal 2008 and are currently in the process of switching to the company-wide EMS, with particular emphasis on our Chinese plants.

Throughout the TDK Group, EMS plays a vital role in working towards the goals defined by the TDK Environmental Action 2015.

With the aim of further streamlining our operations under a set of comprehensive and shared management principles, we are pursuing integration of an Occupational Health & Safety Management System (OHSMS) which will allow flexible and efficient operations control.

* ISO14001: International standard related to EMS
 Note: For a list of ISO 14001 certified sites, please refer the web site. http://www.tdk.co.jp/csr_e/csr05200.htm

EMS Assessment System and Award Program

TDK evaluates environment management operations on a global basis and is constantly aiming to improve the performance and efficiency of actions in this area. This is intended to raise the awareness level with regard to environmental issues. Each year, goals that were defined at the respective sites and their attainment levels are evaluated according to certain criteria.

A system of awards to commend sites with outstanding performance as well as individual contributions has been introduced. The system is not only aimed at rewarding results but also highlights exemplary actions that can serve as a blueprint for the entire company. The award sites for fiscal 2009, along with the main action items are listed below.

Site	Award content (main items)
Chikumagawa Techno Factory	Significant reduction in CO ₂ emissions achieved by switching to alternative fuel. Significant reduction in waste output due to work process improvements.
SAE Magnetics (H.K.) Ltd.	Reduced energy consumption due to improved clean room air conditioning efficiency. Over 25% reduction in organic solvent use.
TDK Taiwan Corporation	Improved energy efficiency of sintering oven and air-conditioned areas results in reduced CO ₂ emissions. Significant reduction in waste output due to improved sintering tools.

Environmental Risk Management

Managing Soil Contamination and VOC Risks

TDK has established environmental risk assessment standards and management methods for soil contamination and VOC*. Each site periodically conducts risk assessment. For high-risk locations, a clearly defined priority sequence of preventive measures, restoration measures etc. ensures effective management of environmental risks.

*VOC: Volatile Organic Compounds
 Note: Soil recovery results are available on the web site. http://www.tdk.co.jp/csr_e/csr05300.htm

Reducing VOC Emissions

TDK has identified the reduction of VOC emissions into the atmosphere as one of its main objectives in the TDK Environmental Action 2015. By the fiscal year 2011, the target is to reduce atmospheric VOC emissions by 30% or more as compared to the fiscal 2001 level. Major measures implemented towards this target include reduction of organic solvents use, as well as installation of solvent recovery systems and solvent incineration systems.

Atmospheric VOC emissions in fiscal 2009 were 33% lower than in fiscal 2001, which means that the medium term target value for 2011 has already been exceeded.

PCB Storage and Management for Proper Disposal

TDK stores and maintains 90 electric power capacitors and 451 fluorescent light stabilizers, in compliance with the Waste Management and Public Cleansing Law*. In response to full-fledged PCB waste disposal requirements, we implemented measures to properly dispose of PCBs, and have completed the registration procedure for disposal of PCBs.

*Japanese law governing the disposal and cleanup of waste

Regulatory Compliance

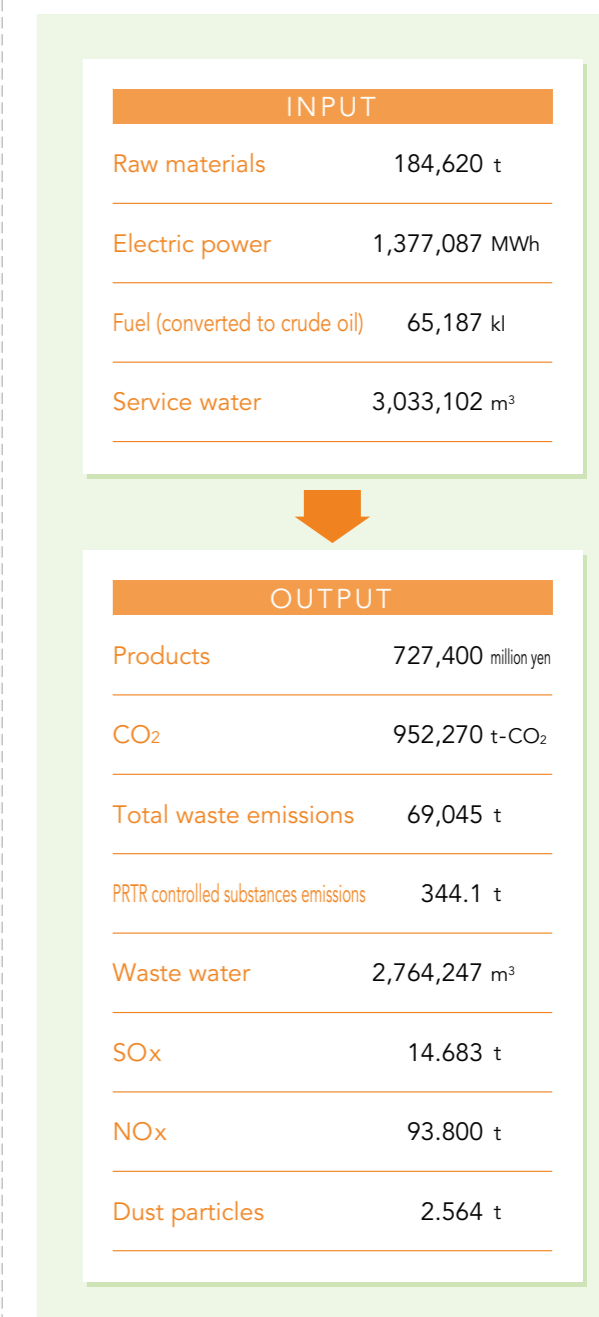
To prevent the contamination of atmosphere, water, soil, etc., TDK strictly complies with all relevant laws and regulations. For certain items, we have even set voluntary standards that are more stringent than the legal requirements, and we take immediate corrective measures whenever necessary. Unfortunately, in fiscal 2009, there were two cases where pollution levels surpassed the legally required standard values. We reported these cases to the authorities and swiftly took countermeasures to prevent any recurrence.

Outline of Environmental Load

Assessment of Environmental Load and Defining an Overall Index

TDK is performing a systematic assessment of the environmental load created by our operations on an ongoing basis.

We take the results of these investigations into consideration when defining environment related action items and targets. We are also working on formulating an overall index that converts various environmental loads into CO₂ emissions.



Note: Scope of data
 PRTR controlled substances, service water, waste water, SO_x, NO_x, dust particles: Japan
 Others: Global