

# Environmental Management System

- Corporate Profile → CSR Activities → Environmental Management System [http://www.tdk.co.jp/csr\\_e/csr03300.htm](http://www.tdk.co.jp/csr_e/csr03300.htm)
- Corporate Profile → CSR Activities → Environmental Risk Management [http://www.tdk.co.jp/csr\\_e/csr03400.htm](http://www.tdk.co.jp/csr_e/csr03400.htm)
- Corporate Profile → CSR Activities → Outline of Environmental Load [http://www.tdk.co.jp/csr\\_e/csr03500.htm](http://www.tdk.co.jp/csr_e/csr03500.htm)

## 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.

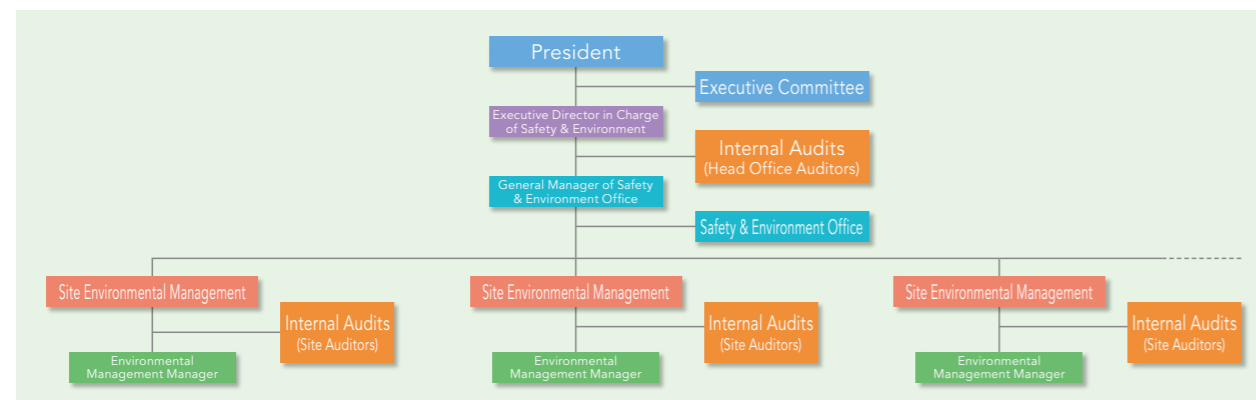
In addition, the various departments of the head office comprehensively deal with product-related environmental issues that were difficult to deal with under a site-driven environmental management system.

The overall framework now provides the basis for managing the business processes of purchasing, manufacturing, and selling.

## Operation of the TDK Environmental Management System

In FY2006, 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. By FY2008, we also obtained ISO 14001\* certification for all overseas sites. In addition, environment conferences are held in a number of locations including Japan, China, the ASEAN region, Europe, and America. These are aimed at promoting local activities tailored to the situation in the respective region, while remaining oriented towards achieving the overall goals laid down in the TDK Environmental Action 2015.

## EMS Organization



\* 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](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 FY2010, along with the main action items

Site	Award content (main items)
Asama Techno Factory	Mid-and long-term energy saving plan devised on their own initiative by all the staff members has shown excellent results.
TDK(Thailand) Co., Ltd.	A review of waste water processing methods identified possibilities for internal processing, resulting in a drastic reduction of waste output.
SAE Magnetics (H.K.) Ltd.	Review of manufacturing methods resulted in drastic reduction of solvent use.

## 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](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 FY2011, the target is to reduce atmospheric VOC emissions by 30% or more as compared to the FY2001 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 FY2010 were 67% lower than in FY2001, which means that the medium term target value for FY2011 has already been exceeded.

### PCB Storage and Management for Proper Disposal

TDK stores and maintains 77 electric power capacitors, 3 transformers and 175 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 and Accidents

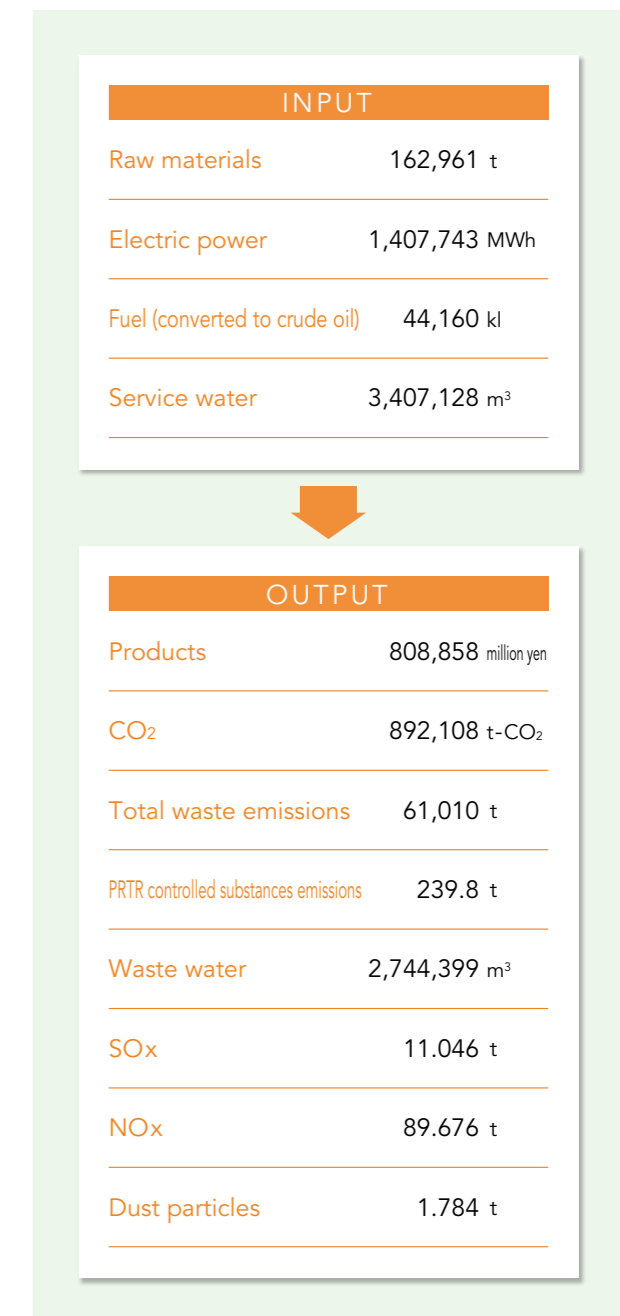
To prevent the contamination of atmosphere, water, soil, etc., TDK strictly complies with all relevant laws and regulations. For certain items, we have even set voluntary standards that are more stringent than the legal requirements, and we take immediate corrective measures whenever necessary. Unfortunately, in FY2010, there was one case where pollution levels surpassed the legally required standard values and one case where there was a leak in a heavy oil pipeline. 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 CO<sub>2</sub> emissions.



Note: Scope of data  
 PRTR controlled substances, service water, waste water, SO<sub>x</sub>, NO<sub>x</sub>, dust particles: Japan  
 Others: Global