

Toshiba Electronics Malaysia Sdn. Bhd. Site Report Information

Address: KM15 Jalan Klang-Banting, 42507 Telok Panglima Garang, Selangor, Malaysia

Lot area: 108,000 m², Building area: 25,880 m², Green ratio: 24.0%

Establishment: 10 Sept 1973, Employees: 1,230 (as of March 2009)

Major products: Integrated circuits and discrete semiconductor products

ISO 14001 certified: Sep, 1997, Latest updated in 2008 (ISO Certificate number: T00630001, ER108)



Site Introduction

TEM is located in a small town about 50 km from Kuala Lumpur the capital city of Malaysia, surrounded by many greeneries. Here, we have a passion for our Quality, Productivity and meeting our Customer Requirements. We are also committed to CSR including environmental management in our daily work. Various kinds of CSR activities are promoted, involving our employees, local communities and school children. We believe people and environment should co-exist in harmony to maintain a sustainable earth for our future generation.

TEM
Managing
Director,
Mr. T. Maeda



Major environmental activities in 2008

Environmental Audits

- ISO 14001:2004 Surveillance audit on 11-13 August 2008. TEM has maintained ISO14001:2004 certification.
- EASTER audit was carried out on 24 & 25 November 2008. TEM has scored A rating.

4th Voluntary Plan for the Environment (VPE) Results

- Chemical Emission Reduction: Less than 30% increase by 2012 from 2001 baseline. Result: 5.1% decrease by FY2008.
- CO₂ Emission Reduction: 23.5% index reduction by 2012 from 2001 baseline. Result: 25% reduction by FY2008.
- Waste Reduction: 22%% index reduction by 2012 from 2001 baseline. Result: 49% reduction by FY2008.
- Water Intake Reduction: 9.2%% index reduction by 2012 from 2001 baseline. Result: 30% reduction by FY2008.

Social Activity

- Received visit from university students to study TEM environmental activity.
- Carry out trees-planting activity at nearby beach.
- Participated in Toshiba Group 18th Environmental Exhibition in Tokyo.
- Collaborate with selected suppliers and local authority to carry out social activities at nearby school and community.

Legal Compliance

- Full compliance with Malaysian Environmental Quality Act (1974)
- RoHS, WEEE compatible

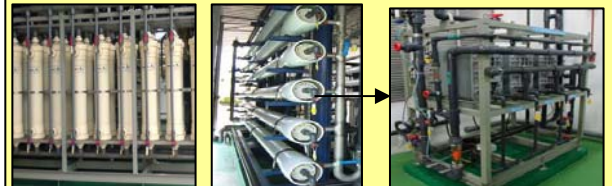
Recognition

- Selected as an exemplary site for toxic waste management by Department of Environment for its education syllabus.

Development of products and environmental technologies



Integrated circuit and discrete products



Chemical-free DI plant to reduce environmental hazard.

Environmental communication

- Publication of annual CSR Report.
- Participation in environmental activity organized by local authority.
- Environmental Week for employees
- A member of local association for manufacturing companies.
- Submission of environmental data to government bodies.

TEM CSR Report
being distributed to
the public



Vision

Recognizing Toshiba Group's Vision that the Earth is an irreplaceable asset and it is humankind's duty to hand it on to future generations in a sound state, Toshiba Semiconductor Company Group contributes to the development of a sustainable society by pursuing creation of new values and symbiosis with the Earth, in accordance with Toshiba Group's Environmental Vision.

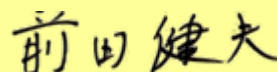
TEM Environmental Policy "In Harmony with the Environment"

Toshiba Electronics Malaysia Sdn. Bhd. (TEM) manufactures semiconductor devices for the world market at our Telok Panglima Garang facility in Selangor Darul Ehsan, Malaysia on behalf of the parent company, Toshiba Corporation, Japan.

TEM aims to be in harmony with the environment with an Effective Management System whereby resources used and waste generated by its operational activities is properly managed. TEM shall promote various environmental activities based on Toshiba Semiconductor Company's Group Environmental Statement of Philosophy.

As part of our commitment toward Toshiba Semiconductor Company's Group Environmental Statement of Philosophy and taking into account the environmental aspects and associated impacts from the operational activities at this facility, it is our policy to:

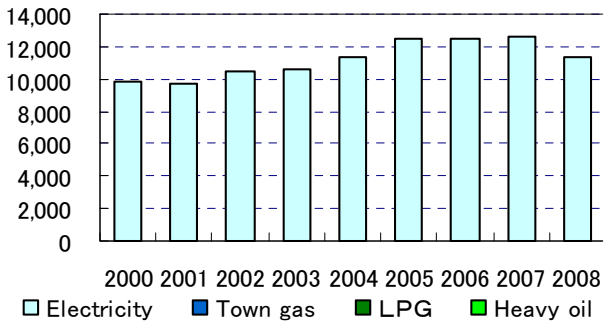
- Eliminate, reduce or recycle our waste products including sludge, wastewater, air emissions and solid waste to minimize their environmental impact.
- Promote the reduction or efficient use of energy, materials and chemicals used in manufacturing of our products adhering to the sense of unnecessary wastage "Mottainai".
- Meet and exceed where practicable those environmental legislation, customer requirements as well as other related requirements relevant to our operational activities.
- Establish and maintain an effective Environmental Management System that meets the requirements specified in ISO 14001.
- Continually improve our environmental performance through the adoption of a philosophy of pollution prevention in all our activities and by the setting of objectives and targets, taking into account relevant financial and technical considerations that are appropriate to: our business objectives, the needs of our customers and the expectations of our local as well as the world community.
- Communicate TEM Environmental Policy to our employees, those working on behalf of TEM, and it is also made available to the public.



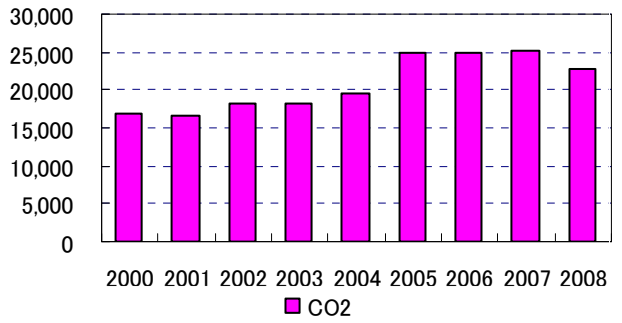
Approved By The Management
30-April-2009

環境負荷データ

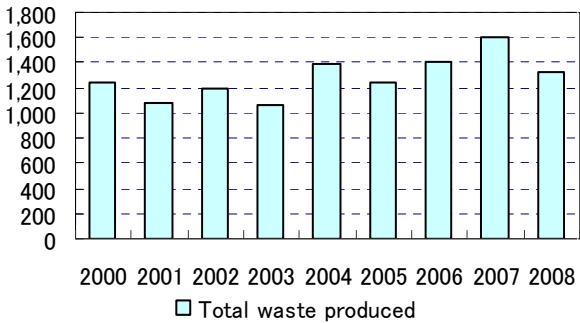
Energy usage (unit:kL)



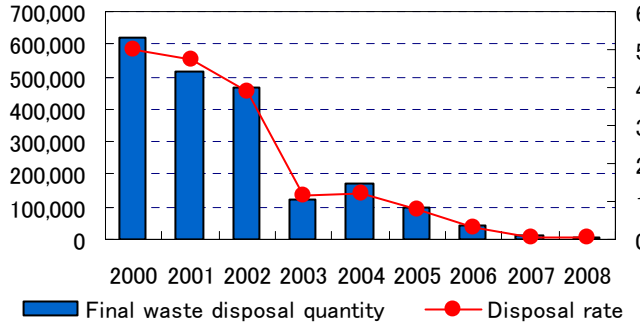
CO₂ emission (unit:ton-CO₂)



Total waste produced (unit: ton)

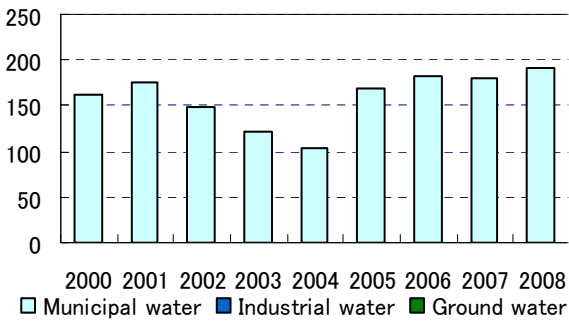


Final waste disposal quantity & disposal rate (unit: kg, %)

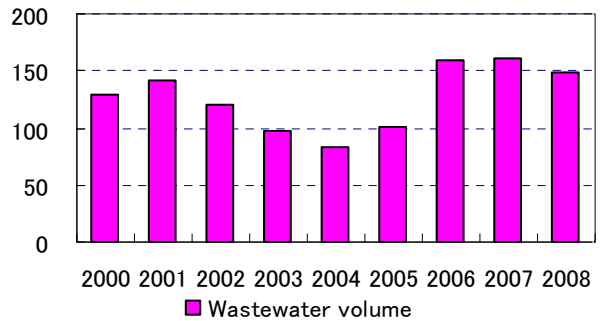


Major wastes: Mold waste, paper boxes, waste plastics, etc.

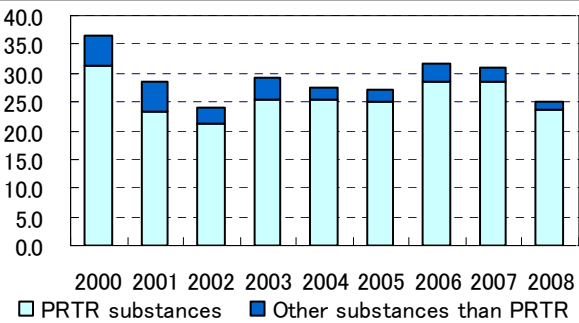
Water usage (unit:1,000m³)



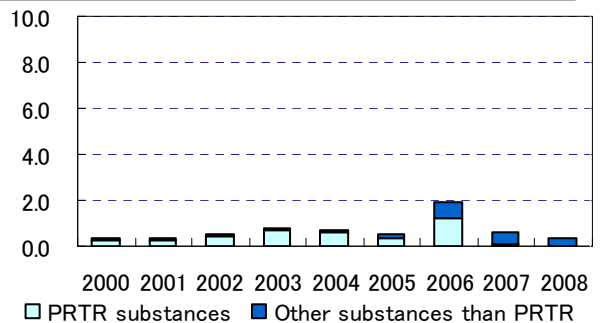
Wastewater volume (unit:1,000m³)



Changes in handled substances subject to reduction in 4th Voluntary Plan (ton)



Changes in disposed substances subject to reduction in 4th Voluntary Plan (ton)



Major chemical substances: antimony, solvent, lead, HCl, refrigerant

Compliance management
Atmospheric measurement results (Emission from soldering process)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Tin (mg/Nm ³)	N/A	100	(Not detected)	Once/month
Copper (mg/Nm ³)	25	20	(Not detected)	Once/month
Soot & dust (mg/Nm ³)	400	100	1.2 – 1.6	Once/month

Wastewater measurement results (major results) (XX Facility (acid/alkali surface treatment facility: Wastewater is discharged to rivers (Bando river to Ibo river)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
pH	5.5 - 9.0	6.0-8.5	7.11 – 7.87	Daily
BOD (mg/l)	50	40	ND	Monthly
COD (mg/l)	100	80	ND - 34	Daily
SS (mg/l)	100	80	ND – 10	Monthly
Lead (mg/l)	0.5	0.4	ND	Monthly
Copper (mg/l)	1.0	0.8	ND – 0.02	Daily
Tin (mg/l)	1.0	0.8	ND – 0.15	Monthly
Zinc (mg/l)	2.0	1.6	ND – 0.1	Daily

Noise & vibration measurement results (specific facilities (noise: XXX (mech. press), vibration: XXX (mech. press)

	Location: Time	Regulation value	Self-control value	Actual measurement	Measurement frequency
Noise (dB)	Lot boundary: Day	65	60	56	Annual
	Lot boundary: Night	65	60	50	Annual
Vibration (dB)	Lot boundary: Day	N/A	N/A	N/A	N/A
	Lot boundary: Night	N/A	N/A	N/A	N/A

Other measurement results: Discharge from Kitchen Waste Water Treatment Plant

	Regulation value	Self-control value	Actual measurement	Measurement frequency
pH	5.5 - 9.0	6.0-8.5	6.38 – 7.33	Daily
BOD (mg/l)	50	40	ND – 8	Monthly
COD (mg/l)	100	80	9.3 – 36	Daily
Oil & Grease (mg/l)	10	8	ND	Monthly

Environmental accidents, administrative advices and complaints

	State
Environmental accident	None
Environmental problem around the factory and in the local area	None
Administrative advice or direction	None
Complaint from neighboring residents	None