



Toshiba Electromex, S.A. de C.V. Site Report Information

Address: Ave. Rio Bravo #1230 Industrial Park Rio Bravo, Cd. Juarez Chih.
Lot area: 63,291 m ² , Building area: 21,589 m ² , Green ratio: 6.22%
Establishment: 11/ 26/ 1986 Employees: 410 (as of March 2010)
Major products: LCD TV's
ISO 14001 certified: 22/08/ 2002, Recertification: Jun ,22, 2011 Renewal Date: Validation August 21, 2011 (ISO Certificate number: A10990)



Message from Environmental Preservation Chief

Toshiba Electromex is committed to play a leading role in helping to establish a sustainable society. We recognize that Earth is an irreplaceable asset and we must be in harmony with it. By doing reduction of CO2 generation, Management of Chemicals, the reuse & recycle of resources being used in our manufacturing processes we can create new values, to make a safer and comfortable life for human beings living in this planet .

We have reduced our environmental impacts by applying our technological and future innovations and business activities. The Toshiba Group also endeavors to make positive contributions by offering products and services that focus on energy efficiency, reduced consumption through high products performance. As a fact of this, Toshiba Electromex has been manufacturing Energy Star products since year 2008. These technologies applied in our products reduce the energy consumption by 30% in comparison with the previous TV LCD technologies. This makes substantial contributions to reduce the emission of CO2 to the atmosphere in the same proportion.

Toshiba Electromex is a place where environmental innovation thrives and our personnel, families and some local authorities take part of our environmental activities program and encourage our local society to contribute with given programs in monthly basis since year 2008. Therefore Toshiba Electromex is committed to protect the global environment to make a more productive life for people & make a better world for humanity.



Javier de la Riva
Environmental Manager

Major environmental activities in 2010

- ☆ ISO 14001 Environmental Management System
Recertification obtained in 6/06/2011; external Audit by UL
- ☆ Enforcement of environmental preservation system
Compliance with laws and regulations; reinforcement of on site management
- Reduction of chemical emissions
Target; Reduction of the release of chemical is less than 1.6 Ton and the final result was 0.14 Ton (Target Achieved)
- Reduction of CO2 by energy consumption
Target; The reduction of CO2 emissions. less than 14.6 Ton / M\$. The final result was 8.6 Ton / M\$ (Target Achieved)
- Reduction of waste generation
Target; The reduction of waste generate is less than 8 Ton/M\$ and the final result was 5.8 Ton/M\$ (Target achieved)
- Reduction of landfill
Target of the Reduction of waste for final disposal (landfill) less than 1.6% . Final result was 0.9% (Target achieved)
- Reduction of water
Target of the Reduction of water is less than 0.10 km3/m\$. Final result was 0.06 km3/m\$ (Target achieved)

Development of products and environmental technologies, Environmental consideration point

The Toshiba Group wishes to contribute proactively to build a sustainable society. Accordingly, The aim is to improve the value and eco-efficiency of our products and business processes and to reduce emissions of carbon dioxide.

By continually developing innovative technologies centering on the fields of Electronics and Energy, we strive to create products and services that enhance human life, and which lead to a thriving, healthy society. We constantly seek new approaches that help realize the goals of the world community, including ways to improve the global environment.



Environmental communication

- Environmental communication to the students from; Elementary school, high school, Middle school and Collage
- All related information was published at the environmental board



Environmental Policy

“TO PRESERVE THE ENVIROMENT”

Our commitments are:

- **Comply with legal and corporate environment requirements.**
- **Identify, prevent and control any pollution to the environment.**
- **Establish a continuous improvement of our process promoting the recycling, reduction and elimination of hazardous substances and residue.**
- **Lead our productive process to award the environmental benefit of the community.**
- **To promote the system of green procurement and green production to assure that all products must be free from restricted substances.**
- **To assure that the environmental policy is understood, establish and support by all levels of the organization we will:**
 - **Explain it to new hire personnel.**
 - **Post it through the plant.**
 - **Review it during internal audit.**
 - **Review it by the president of the company.**



Pedro Chacon

Toshiba Electromex S.A de C.V

April-05'2010 Rev. D

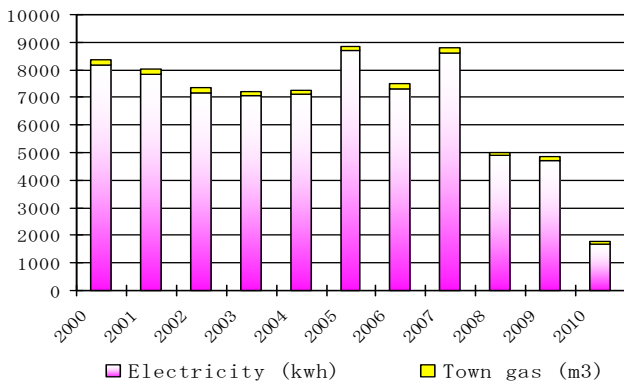
Confidential

Visual Products Company

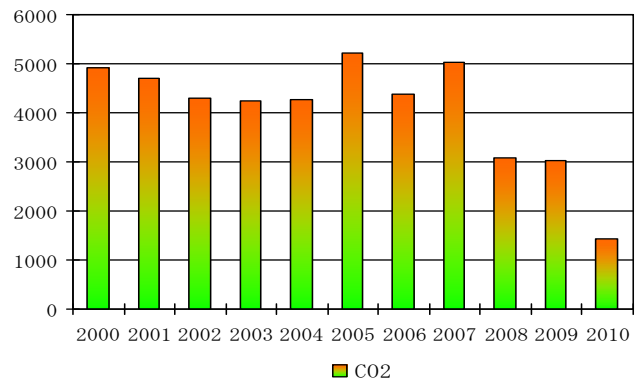
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Environmental load data

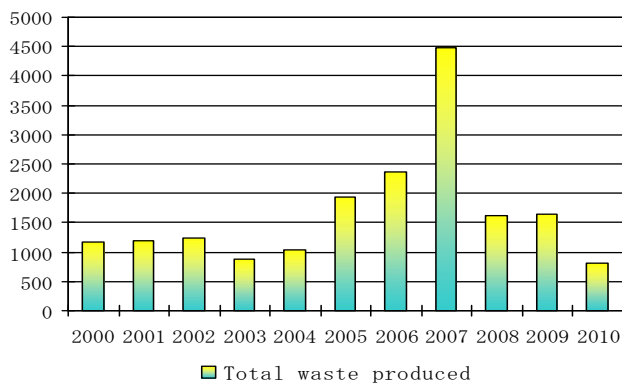
Energy usage (unit: 1000 (Kwh) , 1000m3)



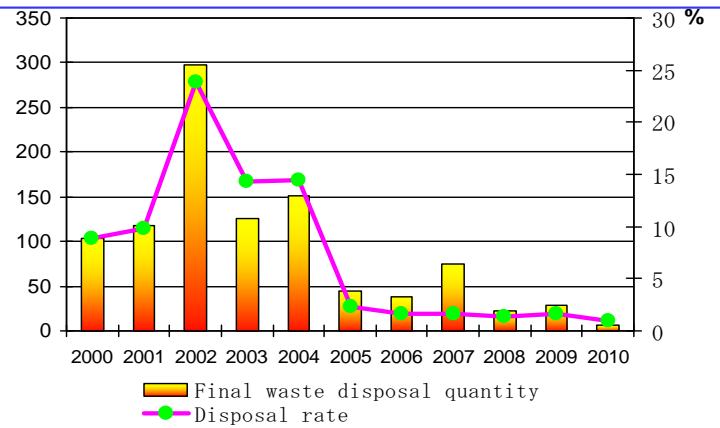
CO2 emission (unit: ton-CO2)



Total waste produced (unit: ton)

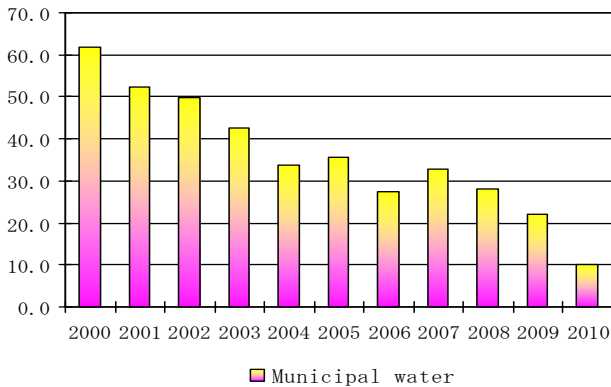


Final waste disposal quantity & disposal rate (unit: ton,%)

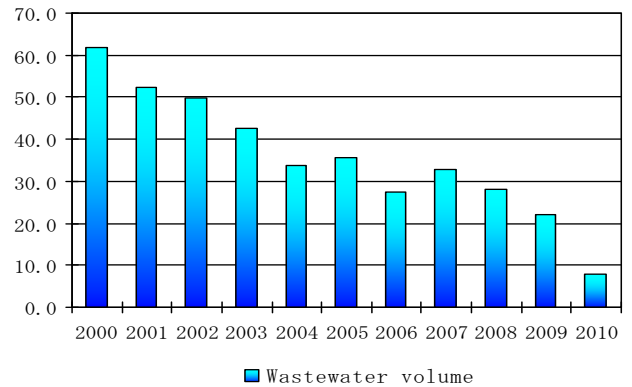


Major wastes: Major wastes: metal, Cardboard, plastic, etc

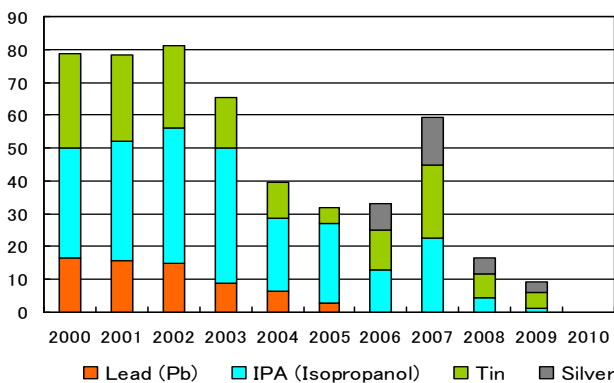
Water usage (unit: 1,000m³)



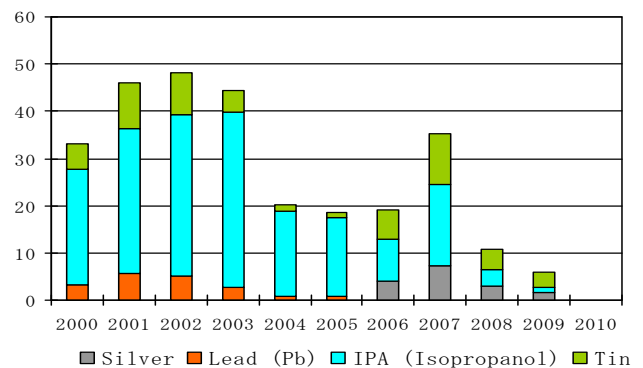
Wastewater volume (unit: 1,000m³)



Handing substances (unit: ton)



Substances volatilized and released to water (unit: ton)



Major chemical substances: IPA, Tin, Silver, Thru the years

Compliance management

Atmospheric measurement results : Soot & dust (Exhaust fan Average units) NOx, SOx (heaters average(30 units)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
NOx (kg/h)	Excluded	N/A	0.07	Once per year
SOx (kg/h)	Excluded	N/A	0	Once per year
Soot & dust (mg/m3)	539	N/A	6.93	Once per year

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
Hydrogen ion concentration (pH)	N/A	N/A	N/A	N/A
BOD (mg/l)	N/A	N/A	N/A	N/A
COD (mg/l)	N/A	N/A	N/A	N/A
SS (mg/l)	N/A	N/A	N/A	N/A
Nitrogen (mg/l)	N/A	N/A	N/A	N/A
Fluorine (mg/l)	N/A	N/A	N/A	N/A

Noise & vibration measurement results (specific facilities (noise: 2 air compressors (mech. press).

	Location: Time	Regulation value	Self-control value	Actual measurement	Measurement frequency
Noise (dB)	Air compressor: Day	90	N/A	76.4	Once per year
	Air compressors: Night	90	N/A	56.7	Once per year
Vibration (dB)	Lot boundary: Day	N/A	N/A	N/A	
	Lot boundary: Night	N/A	N/A	N/A	

Other measurement results (Sewage Water Law: Major results)

	Regulation value	Self-control value	Actual measurement	Measurement frequency
Hydrogen ion concentration (pH)	6.0-9.0	N/A	7.11	Once per year
BOD (mg/l)	220	N/A	71.67	Once per year
SS (mg/l)	1.50	N/A	<1	Once per year

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