



Toshiba Vietnam Home Appliance Co. Ltd. Site Report Information

Address: TAN DINH Industrial Zone, BEN CAT Dis., BINH DUONG Pro.

Lot area : 30.000 m², Building area: 13.500 m², Green ratio: 5%

Establishment: 11, Sep, 2001, Employees: 174 (as of March 2011)

Major products: REFRIGERATOR and WASHING MACHINE

ISO 14001 certified: . 39837-2008-AE-VNM-UKAS, Latest update:
(ISO Certificate number:)



Message from Environmental Preservation Chief

Toshiba Vietnam Home Appliances Co., Ltd recognizes the Earth is an irreplaceable asset and it is humankind's duty to hand it on to future generations in a sound state.

Toshiba Vietnam Home Appliances Co., Ltd contributes to the development of a sustainable society by pursuing creation of new values and symbiosis with the Earth in all business processes for manufacturing of home appliances (Refrigerator, Washing Machine & other white goods), in accordance with Toshiba Group's Environmental Vision.



Mr. Masahiko Wada
(General Director & President)

Major environmental activities in 2010

- ISO 14001 Environmental Management System : Controlling to maintain Environmental Management
- Enforcement of environmental preservation system : Compliance with laws and regulations.
Monitoring environmental aspects quarterly, Making contract for treatment hazardous waste.
- Reduction in CO2 emission
Reduction of CO2 (Energy-originated) emission ratio in FY2006 by 75% within FY2012.
- Reduction of chemical substances emission
Reduction of the total chemical substances released in FY2006 by 28% within FY2012.
- Reduction in the total quantity of waste generated
Reduction in the total quantity of waste generated ratio in FY2006 by 79% within FY2012.
- Continuation of zero waste emission
Reduction in the quantity of waste for final disposal to be less than 0.5% of total generated within FY2012.

Development of products and environmental technologies, Environmental consideration point

Fridge

- Hybrid Plasma Deodorize
- UV Fresh Guard
- Low noise Design
- Cool Air Wrap



Washer

- Supper DD Inverter Motor Tech.
- Zero Standby Power
- Hydro Twin Power
- Child Safety Lock



Environmental communication

- 1>Popularizing ISO 14001 system to all staffs and workers of TVHA
- 2>Presentation about Environment management to workers and their family by holiday tour.
- 3>Hold meeting on event Env. Day together.



Environmental Policy

Basic Policy for the Environment

Toshiba Vietnam Home Appliances Co. Ltd Basic Policy for the Environment

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Promotion of environmental management

- 1 Toshiba Vietnam Home Appliances Co., Ltd considers environmental stewardship to be one of management's primary responsibilities and promotes environmental activities in harmony with economic activities.
- 2 Toshiba Vietnam Home Appliances Co., Ltd assesses the environmental aspects of its business activities, products and services, and specifies objectives and targets with respect to the reduction of environmental impacts and prevention of pollution.
- 3 Toshiba Vietnam Home Appliances Co., Ltd strives to continuously improve environmental management through reviews of activities.
- 4 Toshiba Vietnam Home Appliances Co., Ltd complies with all laws and regulations, industry guidelines it has endorsed, and its own standards concerning the environment.
- 5 Toshiba Vietnam Home Appliances Co., Ltd strives to enhance the awareness of all its employees with respect to the environment and requires that they make a practical contribution to the environment through their work.
- 6 Toshiba Vietnam Home Appliances Co., Ltd operates globally, and accordingly, promotes environmental activities throughout Toshiba Group.

Development and provision of environmentally conscious products and services, and reduction of environmental impacts of business activities

- 1 Toshiba Vietnam Home appliances Co., Ltd recognizes that natural resources are finite and implements vigorous environmental measures to promote their effective and practical use in terms of both products and business processes.
- 2 Toshiba Vietnam Home Appliances Co., Ltd manufactures and provides environmentally conscious products and services which contribute to the reduction of environmental impacts throughout their life cycles.
- 3 Toshiba Vietnam Home Appliances Co., Ltd strives to reduce the environmental impacts of all business processes, encompassing manufacturing, logistics, sale, and disposal, with a particular focus on the prevention of global warming, efficient utilization of resources and control of chemical substances.

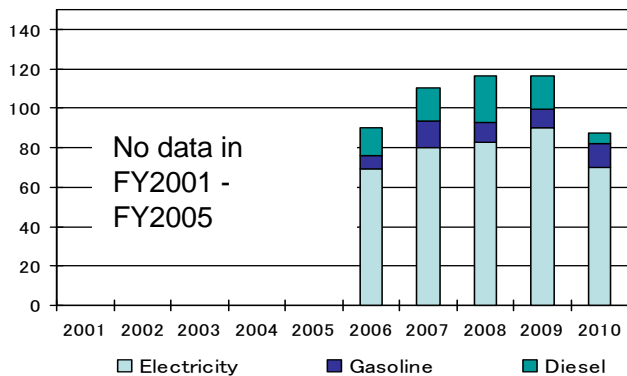
Responsibility as a member of the global community

- 1 Toshiba Vietnam Home Appliances Co., Ltd contributes to society through its environmental activities, which include the provision of excellent, environmentally conscious technologies and products and cooperation with society at large and with local communities.
- 2 Toshiba Vietnam Home Appliances Co., Ltd is committed to maximizing disclosure and transparency in communication with stakeholders and society at large in order to facilitate mutual understanding.

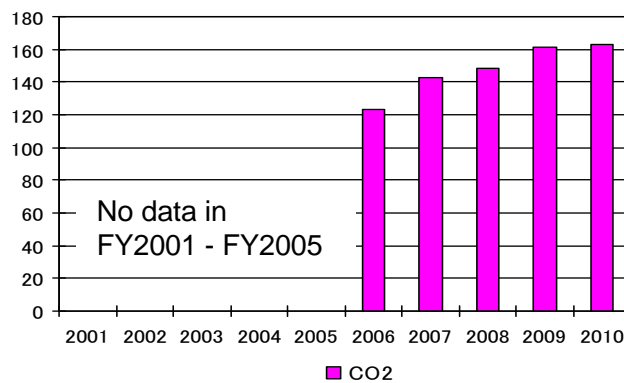
Mr. Masahiko Wada
Toshiba Vietnam Home Appliances Co., Ltd
General Director & President
Enactment in 1st December , 2006

Environmental load data

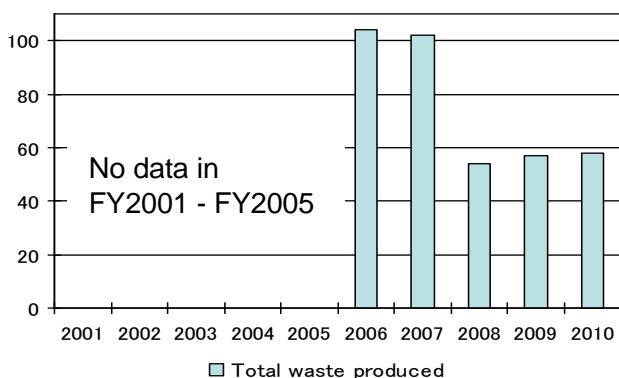
Energy usage (unit: KL)



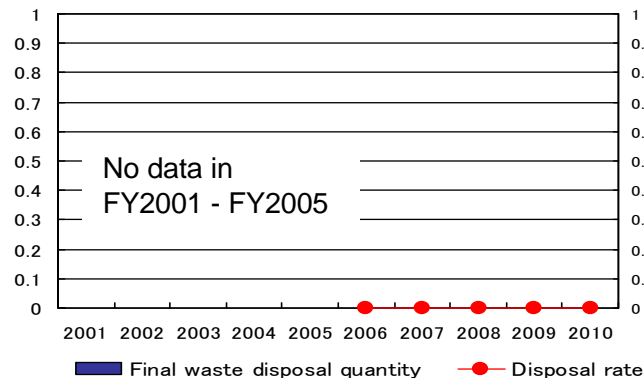
CO2 emission (unit: ton-CO₂)



Total waste produced (Unit: ton)

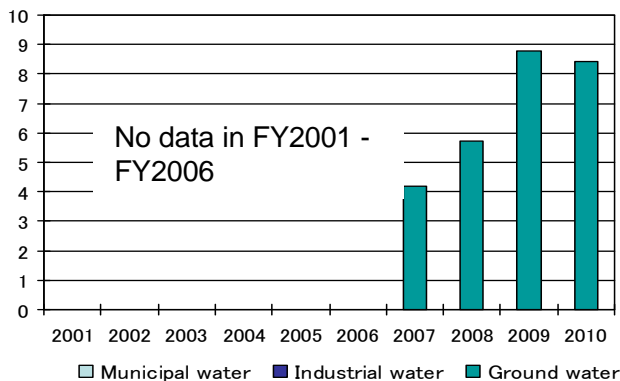


Final waste disposal quantity & disposal rate (unit: ton,%)

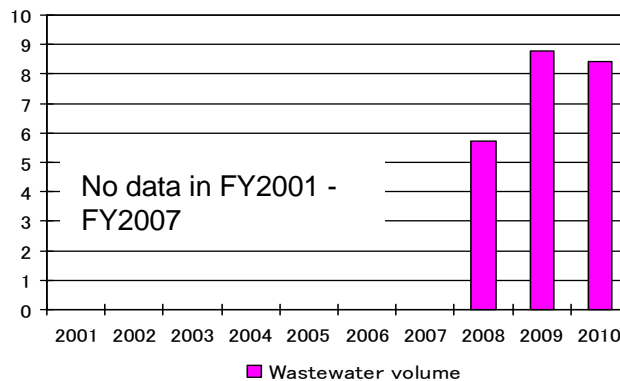


Major wastes: Steel iron, Non iron, Copper, Paper, Wood, Plastic, etc.

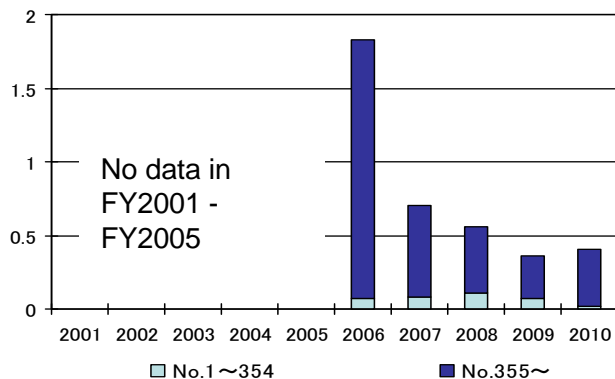
Water usage (unit: 1,000m³)



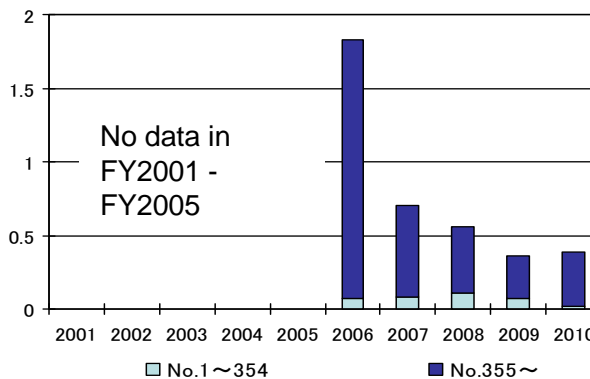
Waste water volume (unit: 1,000m³)



Changes in handled substances (unit: ton)



Changes in disposed substances (unit: ton)



Major chemical substances: Methanol, PU mightylac thinner, parafine, vaseline, cemedine,

Compliance management

Atmospheric measurement results (Air monitoring result inside factory), 02 factories (RF & WM)

| | Regulation value | Self-control value | Actual measurement | Measurement frequency |
|---------------------|------------------|--------------------|--------------------|-----------------------|
| NOx (µg/m3) | 5000 | - | 79 | 4 times/year |
| SOx (µg/m3) | 5000 | - | 87 | 4 times/year |
| Soot & dust (µg/m3) | 8000 | - | 150 | 4 times/year |

Wastewater measurement results (major results) : Wastewater treatment Facility (Wastewater is discharged to soakage pit)

| | Regulation value | Self-control value | Actual measurement | Measurement frequency |
|---------------------------------|------------------|--------------------|--------------------|-----------------------|
| Hydrogen ion concentration (pH) | 6 - 9 | 6.2 – 8.8 | 6.2 | 4 times/year |
| BOD (mg/l) | 30 | 27 | 13 | 4 times/year |
| COD (mg/l) | 50 | 45 | 25 | 4 times/year |
| SS (mg/l) | 50 | 45 | 17 | 4 times/year |
| T - N (mg/l) | 15 | 13.5 | 1.24 | 4 times/year |
| Chlorine (mg/l) | 1 | 0.9 | 0.05 | 4 times/year |

Noise & vibration measurement results (specific facilities : Electric Generator)

| | Location: Time | Regulation value | Self-control value | Actual measurement | Measurement frequency |
|------------------|---------------------|------------------|--------------------|--------------------|-----------------------|
| Noise (dB) | Lot boundary: Day | 85 | - | 78 | 4 times/year |
| | Lot boundary: Night | Excluded | - | - | - |
| Vibration (cm/s) | Lot boundary: Day | 1.1 | - | 0.1 | 4 times/year |
| | Lot boundary: Night | Excluded | - | - | - |

Other measurement results (Air emission : touch-up room)

| | Regulation value | Self-control value | Actual measurement | Measurement frequency |
|-----------------------|------------------|--------------------|--------------------|-----------------------|
| Toluene (mg/m3) | 750 | 600 | 26 | 4 times/year |
| Xylen (mg/m3) | 870 | 696 | 7.5 | 4 times/year |
| Butyl acetate (mg/m3) | 950 | 760 | 8 | 4 times/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 |