

Panasonic Home Appliances (Thailand) Co.,Ltd.

Panasonic Group Site Report 2009
 FY2009 :April 1, 2008 - March 31, 2009

Address	71 Wellgrow Industrial Estate (Bangna-Trad Rd.,Km.36) Moo 5 Bangsamak, Bangpakong, Chachengsao, 24180, Thailand		
Lot area	94956m ²	Total floor area	61934m ²
Establishment day	2001/4	Employees	2150
ISO14001 certification date	1998/2	ISO14001 renewed	2009/07
Major Products	Rice Cooker, Electric Thermo Pot, Washing Machine, Refrigerator.		
Environmental Information disclosure	1	visitors on factory tour	0persons
Contact	Environmental Control		TEL: 66 038 570010 - 19



collaboration with municipality Oitems

Message from Compliance Administrator

As the one of business vision for the 21st century of Panasonic 'Living in harmony with the global environment' and the one of the key initiatives of 2009 management policy "Strengthen environment sustainability". Therefore, our HA has given PHAT is the model of 'eco-Factory' in oversea.

And also as a global citizen, we must response to reduce GHG and preventing further global warming throughout all areas of our business activities.



Compliance Administrators
Mr. S. Somchart

Main activities in FY2009

Target	Result
1.Reduce CO2 emission at 3.5%	We had energy consumption measures in every factory such as stopped casting burner No.1 at rice cooker and electric thermopot .In addition, we abolished paint room at Refrigerator factory. Its mainly reduce the LPG gas consumption about 30% of our factories. Then we achieved the target for CO2 emission reduction.
2.Waste generation at 3% and recycling rate at 90%	The waste recycling rate is at 99.5%. The main point of achieved because of we had the activity to segregation hazardous water to recycle both inside and outside our company. Example In the cleaning process, the contaminated fabric was recycled to process by washing. In 2009, we will effort to see and to make contract with the suppliers that they have the recycling method more than landfill method.
3.Chemical substance reduction rate at 4%	The painting room of refrigerator factory have changing the process to the PCM technology. We reduce the production from the REF painting room. It is important to reduce the key chemical substances released to air about 35% from last year. We achieved the target in this activities.

Products of Environmentally-conscious information



Product : B41/B37MV4

Point of environmentally-conscious
 We have produced highest energy saving product with inverter system and efficient heat insulator. Moreover, our refrigerator has been environment friendly product with non-freon system which to prevent the depletion of the earth's ozone shield and to reduce the global warming



Product : SR-G18SG/SR-G18GB/SR-G18

Point of environmentally-conscious
 For our rice cooker have the Thailand energy saving label 5 guarantee to save the electricity for cooking.



Product : F90H1/ F90T1/F80H1 / F80T1

Point of environmentally-conscious
 We had designed and produced our product at 40% electricity saving with Standby Power ZERO system.



Product

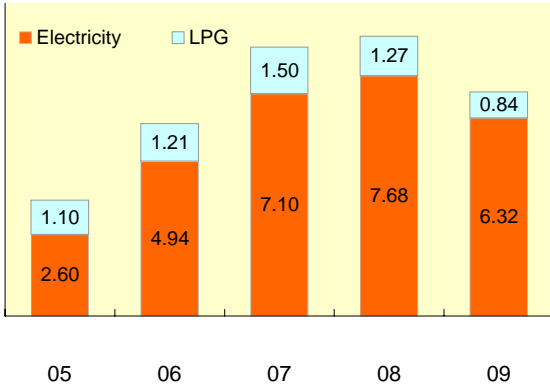
Point of environmentally-conscious
 Special Insulation for heat resistance and energy saving.

Environmental performance data

Year displayed in graph ex) 2009: April 1, 2008 - March 31, 2009

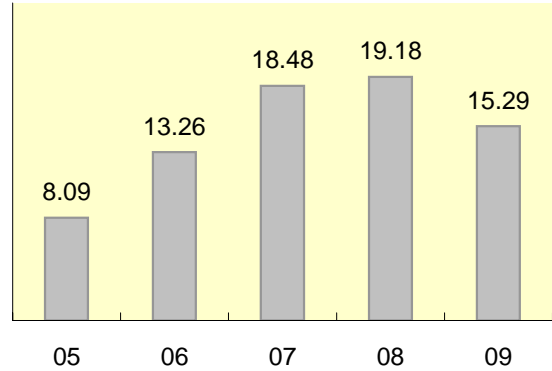
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

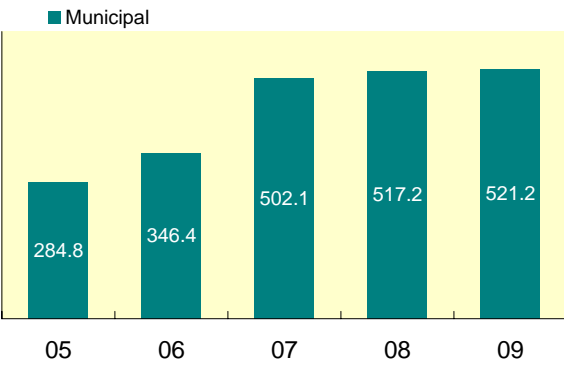


Calculation standards

Numerical values for respective countries listed on the Calculation Tools in GHG Protocol website by World Business Council for Sustainable Development (WBCSD) and World Resource Institute (WRI). Levels for 2002 (Electricity-Heat Steam Purchase_tool1.0_final) has been used for all years.

Water

Unit: 1000m³

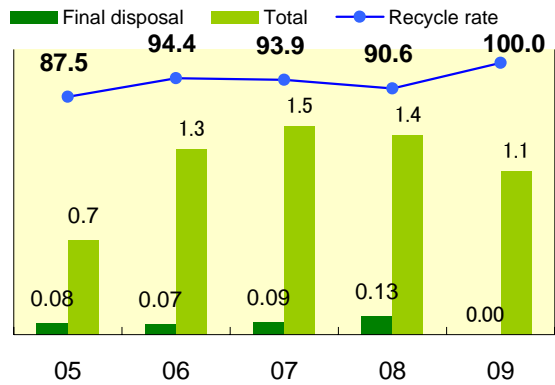


Circulated water

52,112.30 m³

Waste

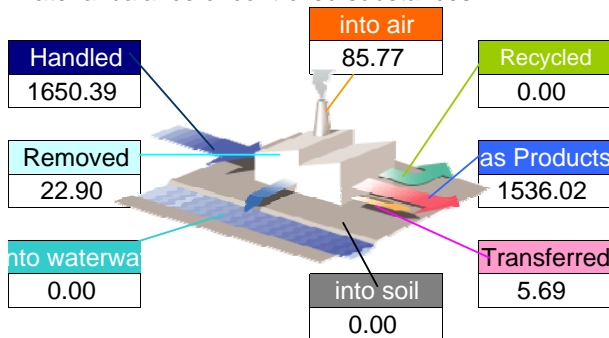
Unit: 1000t, %



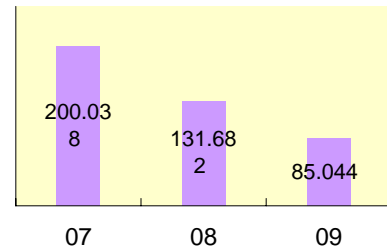
Chemical substances

Unit : ton

Material balance of controlled substances FY2009



Key target reduction substances



About The Panasonic Group's Chemical Substances Management in Factories

http://panasonic.net/eco/factory/chemical_substance/

Compliance

FY2009

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	N/A			0.00		
					0.00		
					0.00		
NOx	ppm	Boiler Stack	200.00	200.00	78.66	78.66	Once a year
		Burner Stack No.15 CA	200.00	200.00	4.78	4.78	Once a year
		Burner Stack No.15 CA	200.00	200.00	2.13	2.13	Once a year
Particulate	g/Nm ³	Painting Stack No.17 CA	400.00	400.00	2.54	2.67	Twice a year
		Coating Stack No.8 CA	400.00	400.00	1.82	1.82	Once a year
		Coating Stack No.7 CA	400.00	400.00	1.61	1.61	Once a year

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	N/A			0.00		
					0.00		
					0.00		
BOD	mg/l	N/A			0.00		
					0.00		
					0.00		
Nitrogen	mg/l	N/A			0.00		
					0.00		
					0.00		
Phosphorus	mg/l	N/A			0.00		
					0.00		
					0.00		

*Legal limit: The strictest value out of those specified by laws, ordinances or agreements.

*N/A(not applicable):The meaning when the facility is exempted from the regulation.

About excess of legal limit value

There is no item to report.

Improvement of direction by government, or point outs by neighbor

Occurrence situation	Countermeasure
There is no item to report.	

Environmental Policy

We will produce our goods by thinking of the importance of world's environmental, achieve in the environmental activities and enhance the countermeasure of the environmental problems through the proper resource using and good cooperation with local communities.

- 1)Strictly comply with the local' s law of air, water and soil pollution.
- 2)Continually enhance the environmental's condition.
- 3)Good environmental's mind and Good cooperation of employees to prevent and reduce the pollution.
- 4)To Produce goods by thinking of the environmental effects.
- 5)To increase the efficiency of environmental management through ISO 14001 standard.
- 6)This policy has been shown to the public.

Aiming to reduction of environmental impact

Title : ISO 14001 Internal Audit and Surveillance

The conformance and observation finding items from internal and external auditors were responded to preventive and corrective action.



Title : Tree planting activity for CO2 reduction promotion

The conformance and observation finding items from internal and external auditor was responded to preventive and



Environmental Communication

Title : Environmental Exhibition

To promoted and communicated employees about environmental conservation, Panasonic eco Idea and CO2 reduction.



Picture : Environment Exhibition on Earth day and Thailand environment day

Title : Environmental Training

To increased employees knowledge about the environment and situation.



Picture : CO2 & Global Warming Problem Training on Dec 04, 08.

Emergency preparedness and response

About our conceput and training plan :

We established procedures to response the incidents and emergency situations as a fire fighting, chemical and gas leak.



Picture : Fire and Chemical Control Training on Oct 31, 08.



Picture : 2nd Fire fighting and evacuation Praticce on Feb 14,09.