

PT. Panasonic Manufacturing Indonesia

Panasonic Group Site Report 2008
FY2008 :April 1, 2007 - March 31, 2008

Address Raya Bogor km. 29, Gandaria, Jakarta - 13710 Indonesia

Lot area 76132m² Total floor area 106356m²

Establishment day 1970/7 Employees 1747persons

ISO14001 certification date 1998/1 ISO14001 renewed 2007/3

Major Products HAG、Water Pump、 Electric Fan、 Audio、 Television

Environmental CommunicationFY2008

Information disclosure 0items visitors on factory tours 642persons

collaboration with municipality 0items

Contact AMS

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Message from Compliance Administrator

Indonesia government increasing they're big intention to waste water, hazardous waste, occupational safety and health(OSH) and enforce its compliance to all industries. For this situation, PMI as a part of Corporate Social Responsibility(CSR) already complied with industrial and domestic waste water treatment from 1998, in line with Clean Factory Program as well as a part of "Global Warming" activities. For green Products, PMI establishing RoHS operation to prove that environment also important as quality product. The main activities are ISO-14001 and OHSAS-18001 continual improvement process regarding saving of electricity, water, increasing recycling rate and reduce chemical consumed in production processes. Collaborate with CPR to increase customer awareness, to inform our effort in reducing impact to the environment



Compliance Administrators

Mr. Heru Santoso

Main activities in FY2008

Target	Result
Reduce Energy consumed by 3.5% Vs Last Year	1.40%
Chemical substance reduction by 2% VS Last Year	2.02%
Reduce Waste generation by 2% VS Last Year	2%
Reduce Water consumed by 10% VS Last Year	10.10%

All activities regarding Environmental Management System ISO 14001 continual Improvement

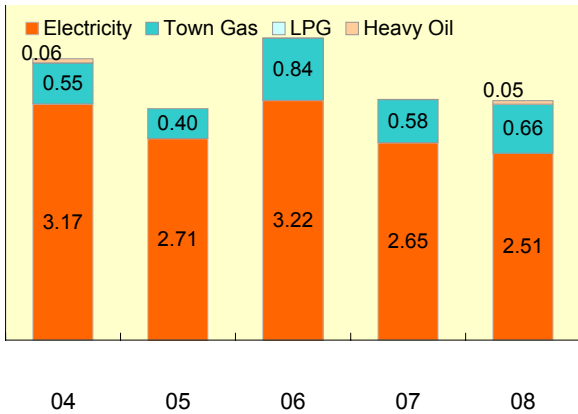
Products of Environmentally-conscious information

Environmental conscious product innovation will deliver on FY 2008/2009

Environmental performance displayed in

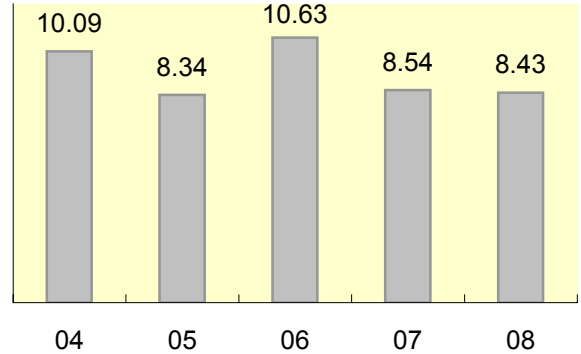
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

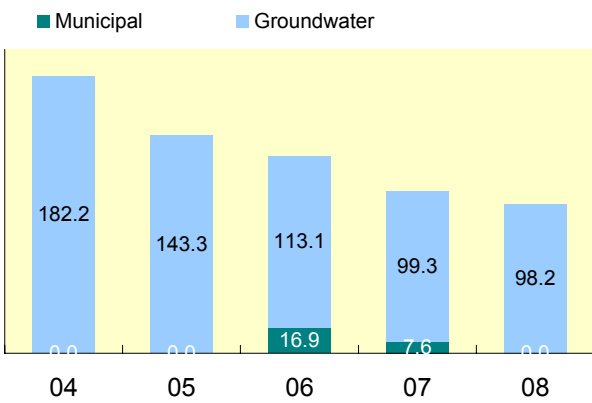


Calculation standards

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.

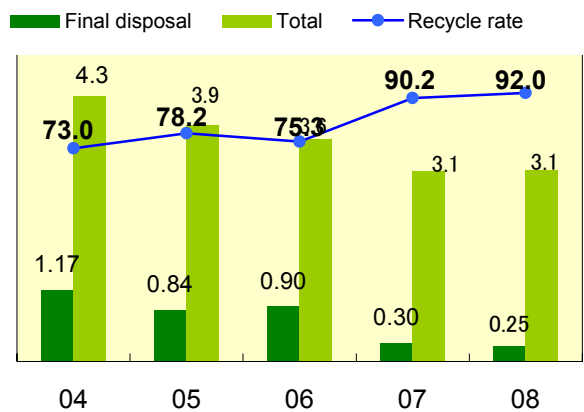
Water

Unit: 1000m³



Waste

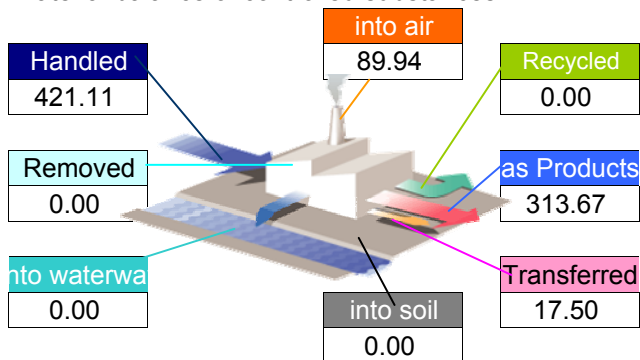
Unit: 1000t, %



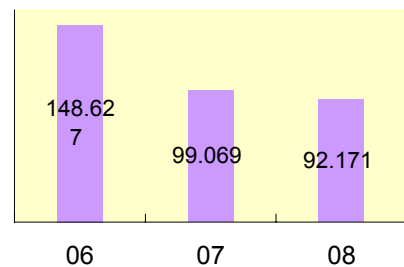
Chemical substances

08

Material balance of controlled substances #REF!



Key target reduction substances



About The Panasonic Group's Chemical Substances Management in Factories

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

About the above data

Compliance FY2008

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	boiler	800.00		0.00	9.e-002	annually
		Varnish room	800.00		0.00	0.00	bi annually
		Generator	800.00		0.00	0.26	annually
NOx	ppm	boiler	1000.00		0.00	2.86	annually
		Varnish room	1000.00		0.00	0.00	bi annually
		Generator	1000.00		0.00	8.89	annually
Particulate	g/Nm ³	boiler	350.00		0.00	6.29	annually
		Varnish room	350.00		8.13		bi annually
		Generator	350.00		0.00	602.77	annually

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Wastewater Treatment	100.00	120.00	100.89		daily
		Seawage Treatment	80.00	100.00	51.42		daily

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT near by neighbor	70.00		57.64		quarterly
		NT near by neighbor	70.00		55.19		quarterly
Vibration	dB	DT N/A			0.00		
		NT N/A			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

Improvement of direction by government, or point outs by neighbor

Occurrence situation	Countermeasure
There is no item to report	

Environmental Policy

1. PT Panasonic Manufacturing Indonesia (an electronic manufacturing company) commits to manage every environmental aspects and impacts also occupational safety and health hazards and risks arise from the company's activities, products and services, including the impact to community surrounding the factory and wider range of environments.
2. Defines objectives and targets of environmental management and occupational safety and health that are technically, economically, and socially feasible.
3. Carries out continuous improvement, pollution prevention and occupational safety and health quality based on the Environmental Management System (EMS) ISO 14001 and the Occupational Health and Safety Assessment Series (OHSAS) 18001.
4. Complies to regulations and company internal policies, and related policies required by Matsushita and other interested parties concerning environmental, occupational safety and health management.
5. Supports government's environmental, occupational safety and health program.
6. Optimizes programs related to raw material usages, efficiency improvement and effective usages of natural resources, as well as the management of occupational safety and health hazard and risk.
7. Provides education for employees in the area of environment, occupational safety and health issues and awareness, and emergency response management.

Aiming to reduction of environmental impact**Vehicle emission measure**

One a part of PMI care's to reduction environmental impact is measured the emission of operationals and employee vehicles. The objective of this program is to ensure vehicle that operated on PMI area must be have emission value below than legal limit. in collaboration of PMI and Government (BPLHD Jakarta), Environmental NGO and Auto 2000 (ASTRA group), Vehicle Emission Measured conducted on October, 2007

**Recycle Hazardous waste as Alternative material and Fuel of Cement Industry**

Hazardous waste such as Sludge WWTP, paint stone, used thinner, used rags could be used as alternatif material and fuel. As previous consigned treatment Hazardous waste only treated by landfill technology or trough Incinerated process.

Cement industry found that they can use Hazardous waste with spesific content as alternative material and fuel. It save for our environment because no need more space to make landfill area. Trough permitted Transporter, they deliver our Hazardous waste

Environmental Communication

Communication of Environmental activites conducted by site visit : benchmarking another company to learn about PMI EMS, best practice, visit to Wastewater Treatment Plant learn about the process and facilities

Emergency preparedness and response**<Emergency Preparadeness and Response Training and Drill>**

As part of Continual improvement of EOSHMS and in order to improve EPR team performance and skills PMI collaborate with Jakarta Fire Brigade Dept conduct Training and Fire Drill on September 6, 2007.

EPR team around 44 persons consist of Fire Brigade, First Aider, Security, and EPPO & OSH member)

Fire Drill conducted on AUVI BU. Around one-third PMI employee involved on location

**<Fire Drill>**

Drill start at 11.35 am found there was a fire at AUVI BU 3rd floor (smoking area) that could not be extinguished by EPR team dept. Emergency call and Evacuation conducted with Jakarta Fire Brigade team. At 11.50 am, fire was controlled and extinguished. Employees evacuated to assembly area and the victim which evacuated by first aider team to the ambulance to get medical treatment.

This program need to be improve in regard with evacuation time, EPR team performance. facilities and transportation