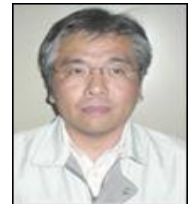


Address	202 Bedok South Avenue 1 Singapore 469332			
Establishment day	1977/10			
ISO14001 certification date	1997/2	ISO14001 renewed	2008/11	
Major Products	Video Products, Audio Products, Speakers, Key Modules, Environmental Communication FY2010			
Information disclosure	1 item	visitors on factory tour	0 person	collaboration with municipality
Contact	Quality Assurance		TEL:	65-6443 7744

Message from Compliance Administrator

Panasonic AVC Networks Singapore Pte Ltd, PAVCSG in short, was established in Oct 1977. In line with our corporate directives on Coexistence with the Global Environment, we have been actively engaged in environmental protection activities and continual improvements in energy & water saving, waste minimization, improve recycling and proper chemical management



Compliance Administrator
Mr Ee Chin Meng

Milestones of our Environmental activities :

- * Certified to ISO 14001 Environmental Standards by BVQI since Feb 1997
- * Awarded the Green Leaf Award 1997 for outstanding contribution to Environmental Protection and Preservation in Singapore
- * Product complied to RoHS requirement since Jan 2006
- * Minimum 35% reduction in CO2 emission, water consumption and waste disposal as compared to base year 2001

Main activities in FY2010

Target	Result
Energy : Reduction of CO2 emission by 3.5% or more	Target Achieved. Energy conservation rate at 5.5% of last year emission.
Water : Reduction of usage by 2.5% or more	Target Achieved. Water conservation rate at 6.7% of last year consumption.
Waste : Reduction of total waste generated by 2% or more	Target Achieved. Waste reduction rate at 23.7% of last year's waste generation.
Green Product : Development of Green Product ratio > 90%	Green Product Development ratio at 100%.

Products of Environmentally-conscious information



RC-DC1 Micro Systems

- Product Features :
- [1] Integrated universal dock for iPhone® or iPod®
 - [2] Memory Loader Application for quick & easy setting of alarms and radio stations
 - [3] Crisp & Clear Sound
 - [4] Dual Alarm Mode for customize 2 alarms with multi touch interface on iPhone® or iPod® touch

Point of environmentally-conscious

- [1] Brightness of panel can be adjusted
- [2] External Power Supply meets Energy Efficiency Level V
- [3] Use of paper pulp as packaging cushion



TH-P50U20 50" Full HD Viera™ Plasma TV

- Product Features :
- [1] Full HD Model with great clarity of motion images
 - [2] Dynamic contrast 2000000:1
 - [3] Wide Color Viewing Angle
 - [4] Smart Networking with VIERA Link (HDMI)
 - [5] VIERA Image Viewer (AVCHD/SDXC/MP3)

Point of environmentally-conscious

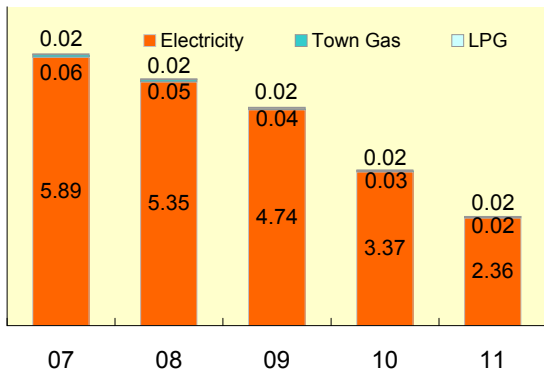
- [1] Mercury and Lead Free Plasma Display Panel
- [2] Long Lifespan Panel
- [3] Eco-mode - light intensity adjusted accordingly to the scene automatically to minimize wastage
- [4] Standby Power Save and Intelligent Auto Standby features

Environmental performance data

Year displayed in graph ex) 2011: April 1, 2010 - March 31, 2011

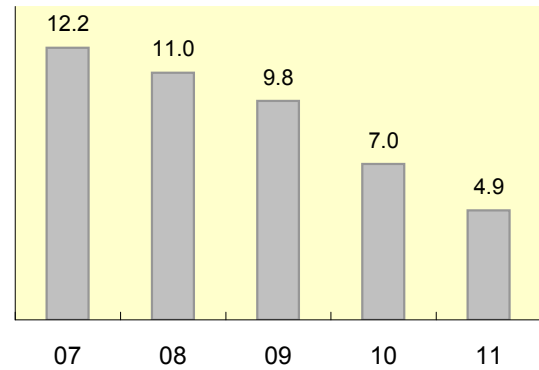
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

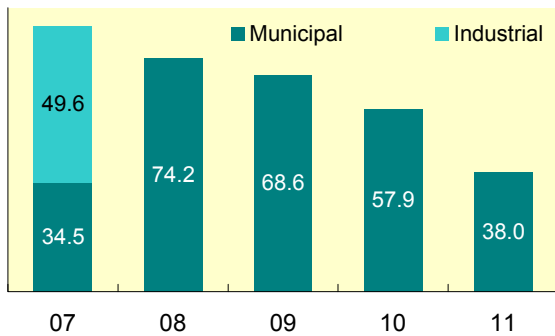


Calculation standards

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.

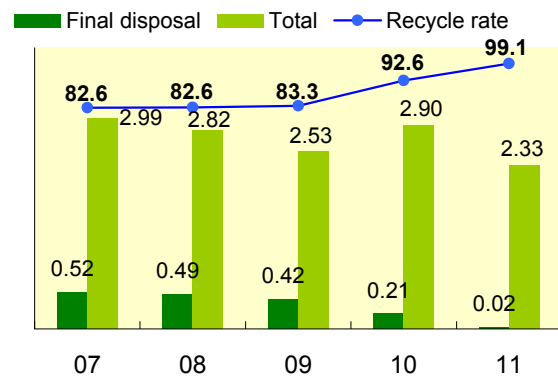
Water

Unit: 1000m³



Waste

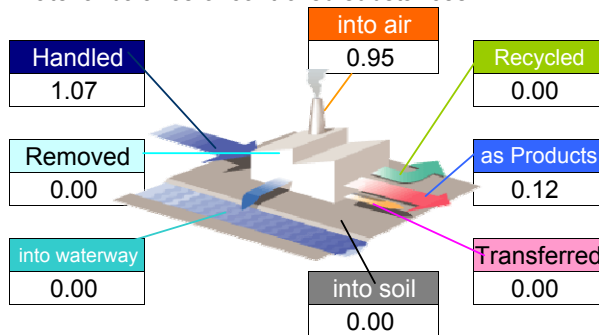
Unit: 1000t, %



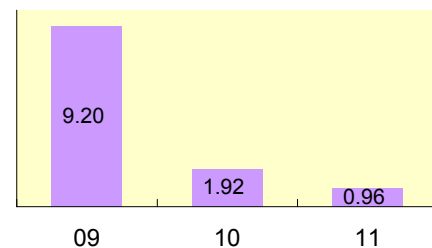
Chemical substances

Unit: t

Material balance of controlled substances 0



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

There is no item to report.

Compliance

FY2011

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	N/A					
NOx	ppm	N/A					
Particulate	g/Nm ³	N/A					

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	N/A					
BOD	mg/l	Guardhouse A	50.00			5.00	Annual (Mar 2011 data)
		Guardhouse B	50.00			5.00	Annual
Nitrogen	mg/l	N/A					
Phosphorus	mg/l	N/A					

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Facing Resident	70.00			66.50	Once every 3 years (Dec 2010 data)
		NT Facing Resident	60.00			59.40	Once every 3 years
Vibration	dB	DT N/A					N/A
		NT N/A					N/A

*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

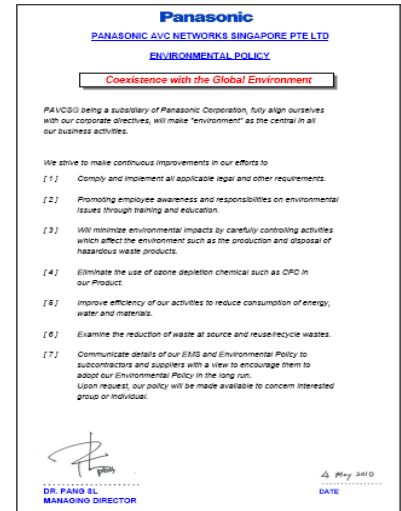
Occurrence situation	Countermeasure
There is no item to report.	

Environmental Policy

PAVCSG fully align with the corporate directives to control the environmental impacts of our activities, through implementation of the ISO 14001 Environmental Management System.

We strive to make continuous improvements in our efforts to :

- [1] Comply and implement all applicable legal and other requirements.
- [2] Promoting employee awareness and responsibilities on environmental issues through training and education.
- [3] Will minimize environmental impacts by carefully controlling activities which affect the environment such as the production and disposal of hazardous waste products.
- [4] Eliminate the use of ozone depletion chemical such as CFC in our Products.
- [5] Improve efficiency of our activities to reduce consumption of energy, water and materials.
- [6] Examine the reduction of waste at source and the reuse of waste and recycling.
- [7] Communicate details of our EMS and Environmental Policy to subcontractors and suppliers with a view to encourage them to adopt our Environmental Policy in the long run.



Aiming to reduction of environmental impact

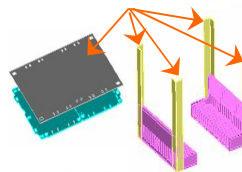
Reduce - Reuse - Recycle to minimize landfill

(1) Reduce

Every thought counts! Staff are to have this mind-set to help contribute to environmental conservation.

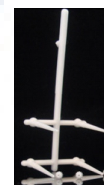
(2) Reuse of packaging materials

Packaging materials such as carton boxes, polyfoams, wooden pallets etc were properly segregated and returned to suppliers for re-use.



(3) Recycling of plastic runners and rejected metal parts

Injection molding plastic runners were collected, re-processed into pellets and use again after recycling process. Rejected metal parts from production collected and sent for recycling to other uses.

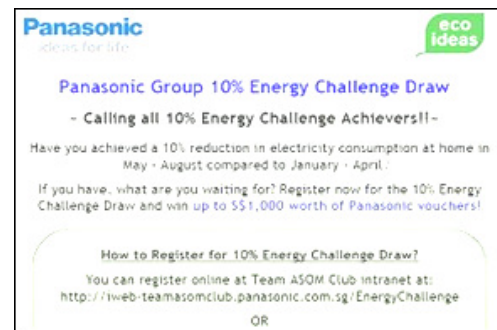


Environmental Communication

Promote 'eco ideas' for Everybody

Panasonic Group 10% Energy Challenge Draw

Consecutive for 3 years, Panasonic group held the "10% Energy Challenge" campaign. This challenge encourages employees to conserve electricity at home and family members have to play their part too. This promotes awareness on how they can contribute in preventing global warming.



Earth Hour on 26 Mar 2011

Mark down in your calendar, every last Saturday of March.

It's the Earth Hour campaign, an annual event that employees of PAVCSG look forward to participate.

This year, Earth Hour became Earth Hour+ to encourage people to go beyond the Earth Hour by taking simple actions to reduce their impact on the environment.

Mangrove Reforestation Project

The project consists of 2 activities, Mangrove Tree Planting and Nature Appreciation Excursion.

Tree planting activity was held on 4th of November 2010 with the objective to raise employees' environmental awareness and at the same time conserve the mangrove ecosystem at Sungei Buloh Wetland Reserve. In total, 100 mangrove trees were planted by 46 Panasonic top management and employees. Nature Appreciation Excursion (2nd activity) was conducted for employees and their families to learn more about ecological diversity of nature and understand the importance of wetland. A total of 330 Panasonic employees and their families participated in this meaningful activity.



Emergency preparedness and response

About our concept and training plan

In PAVCSG, we believed in "making people before making product". Thus, training plan are scheduled annually which includes all aspects such as Quality, Safety, Environmental or Technical Skill related trainings etc.

Emergency Preparedness

Emergency response drill is conducted annually with participation of all personnel in the factory. This is to familiarize the employees with the response procedure in event of emergency. The last drill was carried out in Jul 2010.



Community Emergency Preparedness Programme (CEPP)

Staff were sent for CEPP to provide them with a holistic understanding and knowledge in case of emergency. Readiness is the only protection.

