

Panasonic HA Air-Conditioning (M) Sdn. Bhd.

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

Address	Lot 2, Persiaran Tengku Ampuan, Section 21, Shah Alam Industrial Site, 40300 Shah Alam, Selangor, Malaysia.		
Lot area	198567m ²	Total floor area	139240m ²
Establishment day	1972/4	Employees	3000persons
ISO14001certification date	1997/12	ISO14001renewed	2009/2
Major Products	Air-Conditioners,		
Environmental Information disclosure	CommunicationFY2009 1items	visitors on factory tours	450persons
Contact	Factory Engineering		TEL: 603-58914300



collaboration with municipality 2items

Message from Compliance Administrator

Panasonic's first air-conditioner company in Malaysia established in 1972 to produce window-type air-conditioners. Today, PHAAM primary activities are manufacturing of split type room air-conditioner. PHAAM is located at Shah Alam which took less than an hour to Kuala Lumpur, Port Klang and KLIA. Certified with ISO 14001 since 1997 and converted to ISO 14001: 2004 version. Ensuring a sustainable environmental protection, PHAAM established the environmental policy which is in line with Panasonic Corporation commitment, direction and consistence with company aspect identification. Base on the policy, our initiative are to reduce natural resources usage and CO2 emission, promote energy conservation activities and reduce Ozone Depleting Substances emission, reduce scheduled waste generation and provide continual education and training programs.



Compliance Administrators
Yukio Uemura

Main activities in FY2009

Target	Result
PRODUCTION QUANTITY = 3,152,156 PIECES CO2 EMISSION = 20,354 TON 0.0065 TON/PIECE	PRODUCTION QUANTITY = 3,156,678 PIECES CO2 EMISSION = 18,635 TON 0.0059 TON/PIECE REDUCE 9.2 % (1,894 TON)
WASTE GENERATION = 5,904 TON 0.0019 TON/PIECE	WASTE GENERATION = 5,534 TON 0.0018 TON/PIECE REDUCE 5.3 % (380 TON)

Products of Environmentally-conscious information

Inverter Technology

Outstanding Energy-Saving Performance

50% Cut in Power Consumption for Big Savings

50% down

Product Line-up

Multi Split Type

Triple Split Model

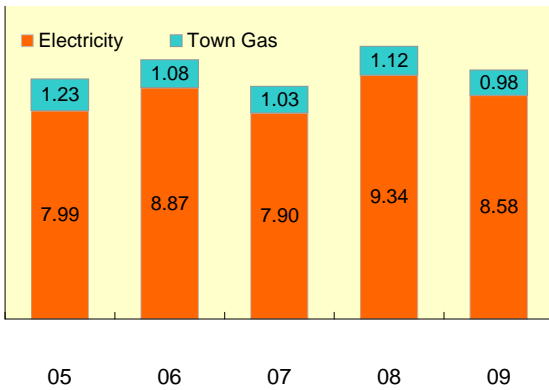
Dual Split Model

Environmental performance data

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

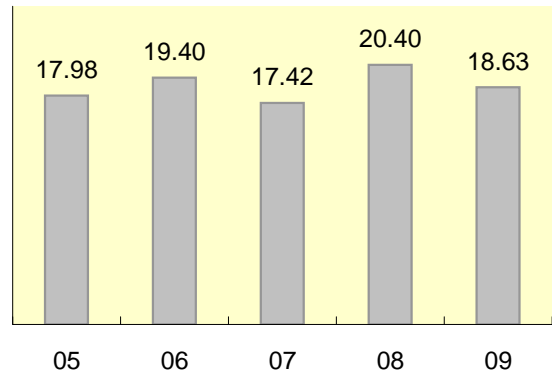
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

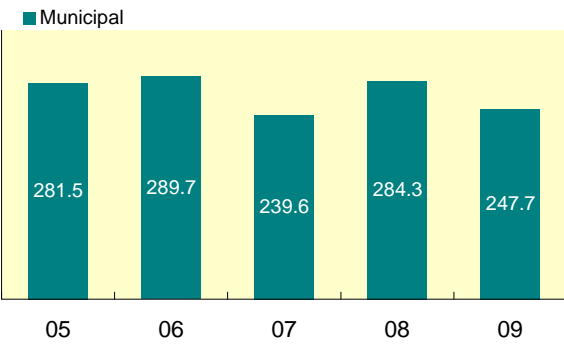


Calculation standards

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.

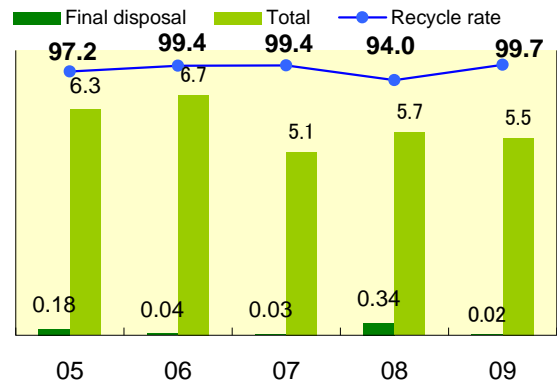
Water

Unit: 1000m³



Waste

Unit: 1000t, %



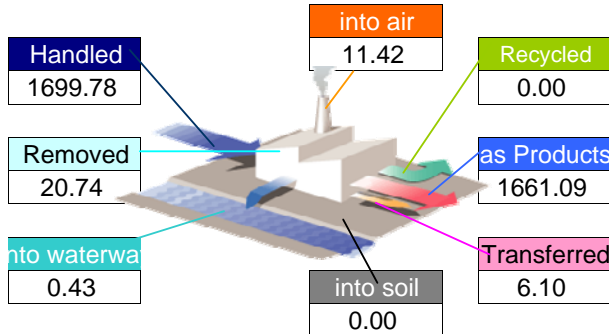
Circulated water

3,280,320.00 m³

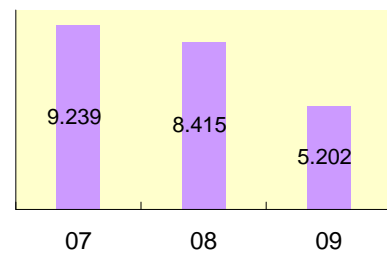
Chemical substances

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					
		N/A					
		N/A					
NOx	ppm	Boiler	2.00	2.00	0.01	1.e-002	Quarterly
		Dry Off Oven	2.00	2.00	0.01	1.e-002	Quarterly
		Sludge Dryer	2.00	2.00	0.01	1.e-002	Quarterly
Particulate	g/Nm ³	Boiler	0.40	0.40	0.00	1.e-003	Quarterly
		Dry Off Oven	0.40	0.40	0.00	1.e-003	Quarterly
		Sludge Dryer	0.40	0.40	0.00	1.e-003	Quarterly

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Effluent Treatment F	100.00	80.00	42.60	60.00	Monthly
					0.00		
					0.00		
BOD	mg/l	Effluent Treatment F	50.00	40.00	14.90	20.00	Monthly
					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

ENVIRONMENTAL POLICY

Panasonic HA Air-Conditioning (M) Sdn. Bhd. (PHAAM) as an enterprise organisation, manufacturing and selling air-conditioner recognize our responsibility to the global and local environmental protection and bear special responsibility to our employees, society and customers.

We shall always strive to adapt to the latest changes on environment protection which shall be implemented and maintained on the basis of continual improvement for the prevention of pollution and to ensure a safe, healthy and sustainable living environment.

We shall continue to maintain and upgrade the established Environmental Management System through applicable legislation, MS ISO 14001 standard, Matsushita Electrical Industrial Co. Ltd, Head Quarters directions and other related requirements, where our company subscribes to.

In accordance to the above, we shall conduct activities with full concern for the following:-

- 1) *Natural resources usage reduction*
- 2) *Carbon dioxide emission reduction/ energy conservation*
- 3) *Ozone depleting substance reduction*
- 4) *Scheduled waste reduction*
- 5) *Provide Continual education and training programs*

We shall communicate our company policy to all level of employees, contractors, suppliers and shall make available to public upon request.

**BUILD AN ENVIRONMENT-BASE COMPANY
PROTECT ENVIRONMENT
FOLLOW LAW & REGULATION**



TOSHIYUKI SAKAI
Environmental President
Managing Director

Date: 1 June 2006

Aiming to reduction of environmental impact



Low Air compressor auto operation



Install inverter at water pump



Convert split air-cond to inverter type



Convert fluorescent tube to Panasonic high frequency tube



Install individual chiller for Plastic Injection machine



Eliminate conveyor system at Assembly line

Environmental Communication

On 26th & 27th February 2009, PHAAM successfully undergo the ISO 14001 surveillance audit by Sirim QAS International.



Emergency preparedness and response



Emergency drill briefing to participants



Transfer 209 liters diesel drum



Drum overturn while transfer to another location



Control the source of spillage



Get emergency prevention equipment located nearby



Clean up spillage



Dispose contaminated clothes to a scheduled waste bin



Emergency drill completed