

Panasonic Refrigeration Devices Malaysia Sdn.Bhd.

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

Address	LOT 2-3 TO 2-10,TTC 1, CHENG INDUSTRIAL ESTATE, 75250 CHENG , MALACCA, MALAYSIA		
Lot area	108801m ²	Total floor area	22852m ²
Establishment day	1991/1	Employees	865persons
ISO14001certification date	1998/5	ISO14001renewed	2009/4
Major Products	Compressor, Devices,		
Environmental Information disclosure	CommunicationFY2009		
Contact	1items	visitors on factory tour	0persons
	ISO AND STANDARDS (ISO 14001 TEAM)		TEL: 06-3344300



collaboration with municipality 6items

Message from Compliance Administrator

PRDM had achieved FY2009 CO₂ reduction target. This achievement resulted from initiative , co-operation and commitment from all PRDM member. As FY2010 is more challenging year due to global economic and H1N1 pandemic crisis, we will strive to ensure the three 'eco ideas' are continuously implemented in our daily job as little improvement everyday make a big difference. We will focus in stepping up our energy saving activities in every aspect in reducing the environmental impact.



Compliance Administrators
UI SUI YIEN

Main activities in FY2009

CO ₂ Reduction Activity	Achieved target FY2009 for CO ₂ Emission and reduced 1766 tonnes vs BP. Save energy activities such as inverter installation to air compressor, airconditioner size down, energy saving ballast and high efficiency motor were carried out in FY2009.
Environmental Month FY2009	Many activities had been organized to enhance member environmental awareness during the Environmental Month on June 2008 such as housekeeping, rambutan trees planting at factory compound , environmental talk and environmental exhibition.
RoHS Activity	Continue the RoHS activity and REACH information updates

Products of Environmentally-conscious information



Motor Compressor

PRDM produce high efficiency of motor compressor and its devices. Presently, PRDM had manufactured approximately more than 140 model of compressor to over 50 corporate customers over 20 countries. In the beginning we produced CFC compressor then folowed by Non CFC. Due to environmental constraint, the latest model using Hydrocarbon gas known as R 600 which is very environmental friendly gas. PRDM will ensure that all parts used is free from hazardous substances and fulfilling RoHS requirement.



Device

For Device, we produce Motor Protector and Relays for refrigeration compresor. PRDM will ensure that the device part is free from any hazardous substances and comply with RoHS requirements.

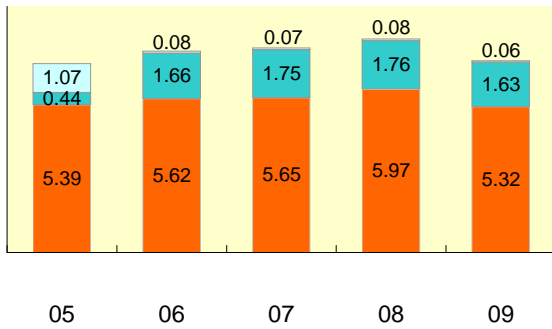
Environmental performance data

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

Energy

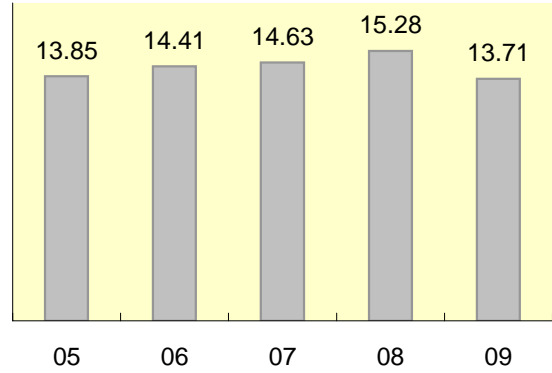
Unit: 1000kl

Electricity Town Gas LPG



CO2 Emission

Unit: 1000t-CO2



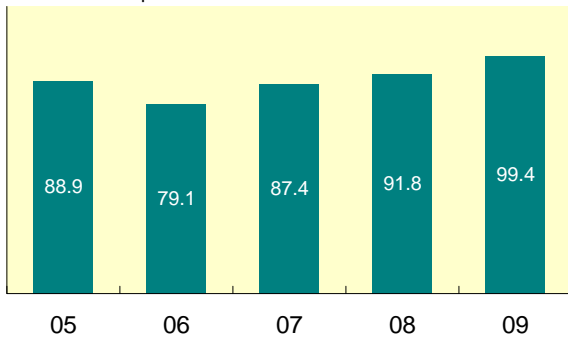
Calculation standards

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

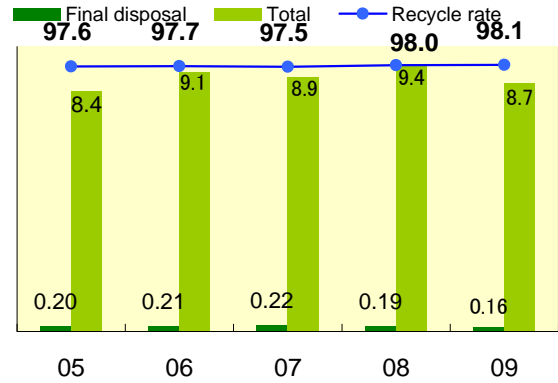
Unit: 1000m³

Municipal



Waste

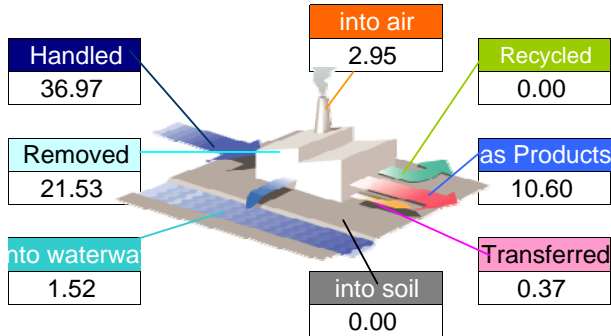
Unit: 1000t, %



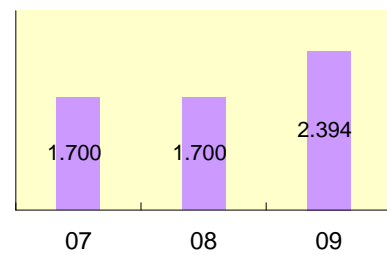
Chemical substances

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	0.20	0.20	0.00	0.00	once in 3 years
		Genset	0.20	0.20	0.00	0.00	once in 3 years
					0.00		
Particulate	g/Nm ³	Boiler	0.40	0.40	0.06	6.e-002	once in 3 years
		Genset	0.40	0.40	0.05	5.e-002	once in 3 years
					0.00		

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	WWTP	100.00	100.00	12.00	57.00	monthly
		Septic Tank	100.00	100.00	33.00	50.00	every 6 month
					0.00		
BOD	mg/l	WWTP	50.00	50.00	3.00	14.00	monthly
		Septic Tank	50.00	50.00	15.00	16.00	every 6 month
					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

PRDM'S ENVIRONMENTAL POLICY

WE, IN PANASONIC REFRIGERATION DEVICES MALAYSIA SDN. BHD., INVOLVE IN THE MANUFACTURING PROCESS OF HOUSEHOLD REFRIGERATOR COMPRESSORS AND ITS RELATED DEVICES WITH THE SUPPORT OF INDIRECT ACTIVITIES, RECOGNISE OUR RESPONSIBILITIES TO CONTROL, MAINTAIN AND IMPROVE THE ENVIRONMENT.

WE ARE ALSO COMMITTED TO PRESERVING THE DELICATE BALANCE OF NATURE BY REDUCING SIGNIFICANT IMPACTS IN OUR ACTIVITIES WHILE FULFILLING OUR CORPORATE MISSION OF CONTRIBUTING TO SOCIETY.

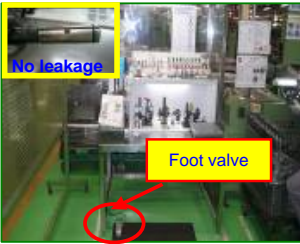
IN ACCORDANCE TO THIS ASPIRATION, WE SHALL ;

- 1. ENSURE OUR ACTIVITIES, PRODUCTS AND SERVICES FULFIL THE ISO 14001 STANDARD.**
- 2. COMPLY WITH APPLICABLE ENVIRONMENTAL LEGISLATIONS AND REGULATIONS AND WITH OTHER REQUIREMENTS TO WHICH THE COMPANY SUBSCRIBES WHICH RELATE TO ITS ENVIRONMENTAL ASPECTS.**
- 3. ENHANCE EMPLOYEE AWARENESS AND CONTINUAL IMPROVEMENT, PREVENTION AND CONTROL OF POLLUTION IN THE AREA OF :**
 - a) WATER b) AIR c) NOISE d) SOIL e) ODOUR / HEAT**
- 4. ENSURE PROPER MANAGEMENT IN WASTES AND CHEMICALS.**
- 5. SUSTAINABLE USE OF NATURAL RESOURCES.**
- 6. ENERGY CONSERVATION.**
- 7. ENSURE CONTINUAL IMPROVEMENT IN THE ENVIRONMENTAL PERFORMANCE AND ENVIRONMENTAL MANAGEMENT SYSTEM THROUGH PERIODIC MANAGEMENT REVIEW.**

THIS POLICY SHALL BE WELL COMMUNICATED AND UNDERSTOOD BY ALL EMPLOYEES AND PERSONS WORKING FOR OR ON BEHALF OF THE ORGANIZATION THROUGH AWARENESS TRAINING, HANDOUT AND DISPLAYING. IT SHALL ALSO BE MADE AVAILABLE TO THE PUBLIC UPON REQUEST.

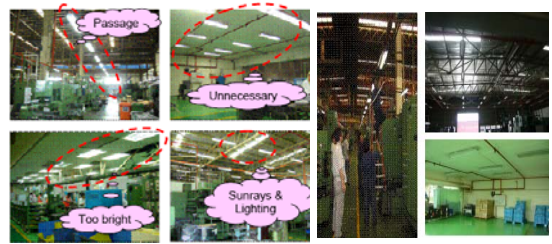
Aiming to reduction of environmental impact

Various activities had been carried out in reducing environmental impact from our manufacturing activity such as :-



Installation of Foot Switch to prevent air leakage

Previously, the air flow continuously even not in use. By using pneumatic foot switch, the air will only be released during usage and preventing the air leakage.



Reduce the fluorescent lamps at unnecessary area by illuminometer checking.

There are some double lighting and too bright places in the factory. By using the illuminometer for checking the brightness and reduce the lamps at unnecessary area.



Reduce SW322 Waste Solvent

SW 322 waste solvent shall be kept for 2 week for separation process between TM1 waste oil and water. Only waste oil shall be collected using oil pump for disposal. This activity reduce 60% of waste solvent generated at Die Cast, Motor.

Environmental Communication



Recycle Item Donation to charity

PRDM members collect recycle items such as cloths, recycle paper, carton box , news paper , dolls, toys, shoes, bag, blanket, book, magazines and printers. All the items that still in good condition were donated to Tzu Chi Recycling Centre and Orphanage .



Greening the factory premises

To greening the PRDM compound with variety of trees. Total 50 of "rambutan" trees were plant at the PRDM premises.Increased member awareness on the CO₂ reduction by plant trees.



Tree Donation to school

Total 11 units plant consists 8 units of Red Palm and 3 units of Pinang Palm were donated to school.Sekolah Kebangsaan Kerubong is a primary school located 10KM from PRDM with total numbers of 768 students.The trees were planted at their new school building area.

Emergency preparedness and response

About our concept and training plan

We establish procedures to identify, respond and mitigate the emergency or potential emergency , accident or potential accidents that can have impact (s) to the environment. Various of training that had been conducted in 2008 for PRDM members.

Fire Fighting Training



Gas Leak Training



First Aids training

