

PANASONIC FOUNDRY MALAYSIA SDN BHD

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

Address	LOT 9 & 10, TANGGA BATU INDUSTRIAL ESTATE, TANJONG KLING, 76400 MELAKA. MALAYSIA					
Lot area	35072m ²	Total floor area	13045m ²			
Establishment day	1991/5	Employees	260persons			
ISO14001certification date	1998/6	ISO14001renewed	2008/4			
Major Products	AIR COND CASTING PARTS, REFREGERATOR PARTS, AUTOMOBILE PARTS.					
Environmental Information disclosure	0items	visitors on factory tour	0persons		collaboration with municipality	113items
Contact	ENVIRONMENT, SAFETY & SECURITY		TEL:		+606 3511 444	

Message from Compliance Administrator

Aiming at creating a literally green foundry, Panasonic Foundry Malaysia Sdn Bhd (PFM) had put in effort to plant trees and improve the landscape surrounding the plant. All these bear fruit when PFM won as champion in year 2003 Melaka State Landscape Competition. Beside this, PFM has been actively organizing activities to promote environmental awareness among the employees and associates through the annual Environmental Protection Promotion Month in June since 1996. In order to get an objective view on current environmental issues surrounding us, PFM has tried to foster a closer relation with local as well as NGOs in promoting environmental awareness. This year environmental activities has no vast difference from previous years. PFM is putting effort in minimizing pollution and wastes associated with its production.



Compliance Administrators

GEORGE TAY

Main activities in FY2009

Target	Result
Water consumption reduction	Able to reduce water consumption via reusing air con condensate water, rain water & back-wash water from reverse osmosis water station
Electricity consumption / melting ton to be reduced 1%	Average total kwh/melting ton had been reduced from 879.7 to 869.8 (1.13% reduction)
Waste reduction program	Average waste / melting ton is reduced from 0.17 ton to 0.16 ton

Products of Environmentally-conscious information



Iron Casting Parts for Air Conditioner Compressor

Various parts are produced using different type of material composition and different production method

Point of environmentally-conscious

Raw material is from returned gatings, which are remeltable. Rain water is used as 40% of water source to cool down cooling tower



Iron Casting Parts for Refregerator Compressor

Various parts are produced using different type of material composition

Point of environmentally-conscious

Raw material is from returned gatings, which are remeltable. Rain water is used as 40% of water source to cool down cooling tower



Aluminum Die Cast Casting Parts Refregerator Compressor

New production line in PFM since Nov 2008

Point of environmentally-conscious

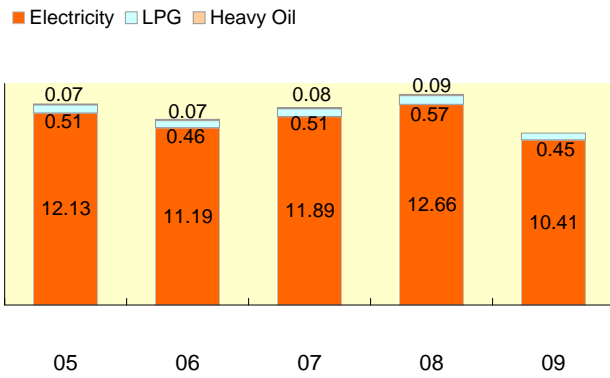
Raw material is from returned gatings, Aluminum Dross (The waste) is sold to metal recovery company.

Environmental performance data

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

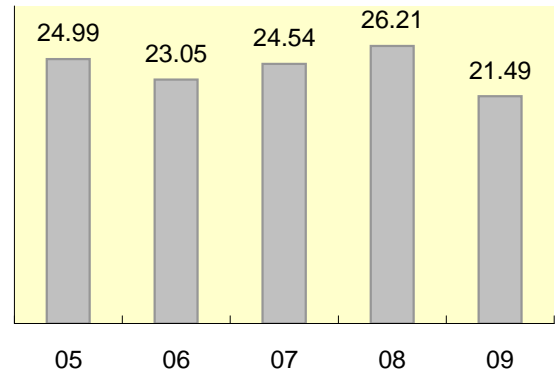
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

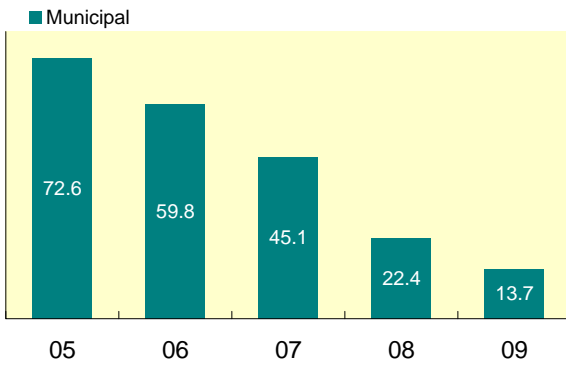


Calculation standards

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

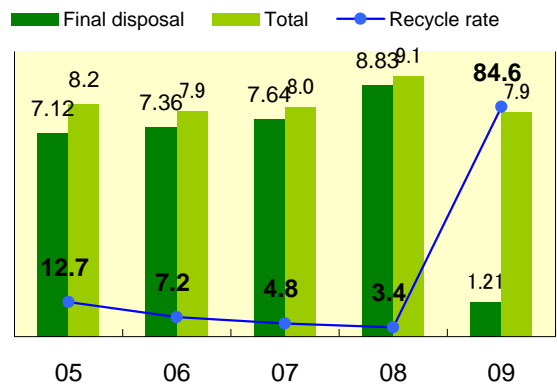
Unit: 1000m³



Rain-water FY2009
75.00 m³

Waste

Unit: 1000t, %

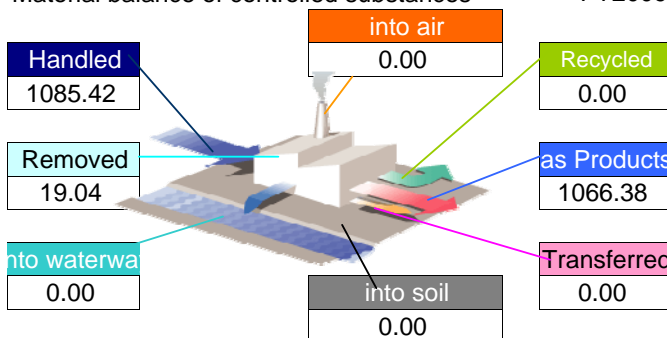


Chemical substances

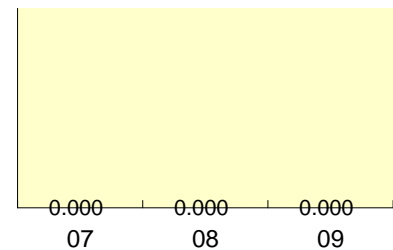
Unit : ton

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	N/A			0.00		
					0.00		
					0.00		
Particulate	g/Nm ³	DC 5-7	0.20	0.19	0.01	0.02	4/yr
		SP-DC 1-4	0.40	0.38	0.05	0.11	2/yr
		CND-DC 1-8	0.40	0.38	0.01	0.02	2/yr

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	HI-KLEEN	100.00	95.00	69.75	88.00	4/yr
		Oil Interceptor 1	100.00	95.00	31.19	67.00	12/yr
					0.00		
BOD	mg/l	HI-KLEEN	50.00	47.50	14.50	27.00	4/yr
		Oil Interceptor 1	50.00	47.50	5.17	12.00	12/yr
					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's no item to report.

Improvement of direction by government, or point outs by neighbor

Occurrence situation	Countermeasure
There's no item to report.	

Environmental Policy

PFM ENVIRONMENTAL POLICY

We at Panasonic Foundry Malaysia Sdn Bhd (PFM) recognize our social responsibility towards protecting the environment in the course of our smelting process to manufacture iron-casting parts for our customers.

- * Mitigate or where practical minimize significant environmental impact related to air, water and noise which derived from our operation
- * Manufactures our products in a way where practical reduce or eliminate the use of hazardous substance and apply best available means to manage hazardous substance
- * Prudent use of natural resources such as electricity, water, gas, oil and material used for our production
- * Sound waste management with emphasis on waste segregation, reduction, reusing, recycling and proper disposal
- * Set objective and targets aimed at continual environmental improvement, within PFM's capability and best available means.
- * Educate employees and personnel working for PFM's behalf to exercise greater care for the environment in line with this Environmental Policy
- * Communicate the Environmental Policy to all employees, key suppliers and contractors and available to the public upon request

6th Issue - 13th April 2009

Aiming to reduction of environmental impact



Exhibition on Environmental Protection

LE / CSR Program : Beach Clean Up Activity 2008 - In conjunction with Environment & Safety Month as well as to fulfill the "Corporate Social Responsibility principle, Environment & HR Team jointly organized a BEACH CLEAN UP was held on 22nd June 2008. Beach located in front of Tanjung Bidara Puteri Hotel (formerly known as Mutiara Beach Resort) approximately 2.5 km from PFM, where employees with their family's taken part in cleaning up the beach surrounding.

A total of 113 participants (28 adults & 85 children) joined in this event, with the total collection of 338 kg of wastes consisted of plastic bags, styrofoam containers, glass bottles, aluminum cans and tree trunks

Environmental Communication



Sirim Audit

Annual ISO 14001 certification audit was conducted , where 3 auditors visited to PFM and perform documentation & on site verification audit.



Visit from Department of Environment (Melaka)

Government officers from Department of Environment visited PFM several times to verify our compliance to local environmental laws & regulations

Emergency preparedness and response

About our concept and training plan :

We establish procedures to identify and respond to accidents and emergency situations, which could cause environmental impact

Prevention of discharge of the chemical substances:

We tested the effectiveness of the emergency preparedness procedures.



Handling Of Chemical Spillage.



Fire Handling By Using Fire Extinguisher