


**Panasonic do Brasil Ltda.**

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

Address	President Dutra, Highway, Km 155 - Sao Jose dos Campos				
Lot area	240482m <sup>2</sup>	Total floor area	41860m <sup>2</sup>		
Establishment day	1967/12	Employees	549persons		
ISO14001 certification date	2008/6	ISO14001 renewed	2009/8		
Major Products	Dry Batteries (Alkaline + manganese),				
Environmental Information disclosure	0items	visitors on factory tours	325person		collaboration with municipality
Contact	Environmental Coordinator		TEL:	55 12 3935 9061	

**Message from Compliance Administrator**

Brazil is a country of great territorial extension, privileged for nature than other countries, possessing immense green areas, rivers, etc. Inside of this context it's a country that worries a lot about the preservation of the environment. The Panasonic of Brazil have been certificate ISO 14001 since March 1st., 1999. Panasonic in Brazil has undertaken researches since 1999 in order to improve it's activities more and more by avoiding environmental impact and preserving natural resources.

To contribute to the reduction of the water, the Panasonic is implementing of inoxidable aerial pipeline to avoid soil contamination by eliminating corrosion risks and industrial waste leakage.

Other environmental activities:



Compliance Administrators **H. Tahara**

**Main activities in FY2009**

Target	Result
Eco Relay	Activities involving all employees about CO2 Emissios reduction as: Not driving to the office day, Exhibitions, events,
Project for energy reduction	Instalation of the temporizer for stop the air conditioning at 6 o'clock p.m., Instalation of a variable working compressor,
Enclosing of sources of noising	Continuation of the enclosing of the Body maker and Otto Press machines.

**Products of Environmentally-conscious information**



**Product**

Manganese and Alkaline Battery.

**Point of environmentally-conscious**

- 1) Batteries without adition of Cadmium and Mercury.
- 2) Emination of the cadmium in the PVC tube.
- 3) Elimination of mercury in the medium dry battery.
- 4) Elimination of the lead in the PVC tube.



**Product**

Dry batteries packing

**Point of environmentally-conscious**

The paint utilizabile in the printing packina of drv batteries not include

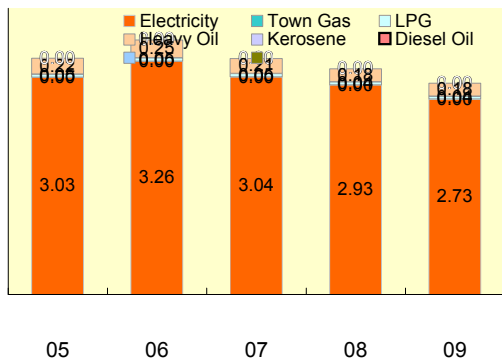
-> link to a product information web-site.

**Environmental performance data**

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

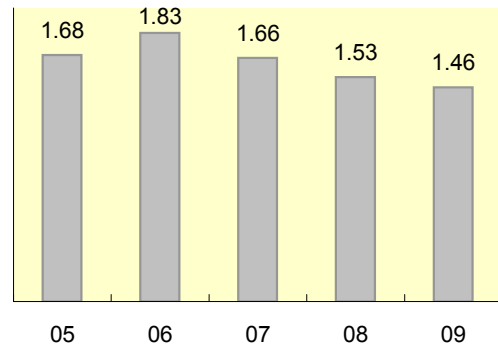
**Energy**

Unit: 1000kl



**CO2 Emission**

Unit: 1000t-CO2



**Natural Energy**

FY2009

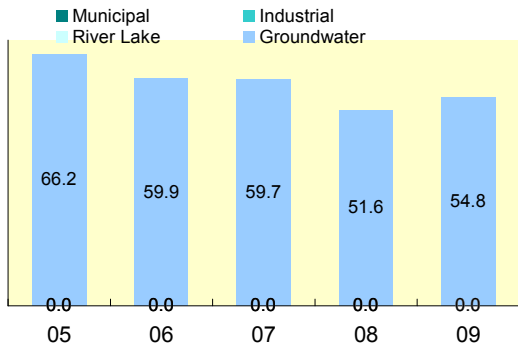
0.00 1000kWh

**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.

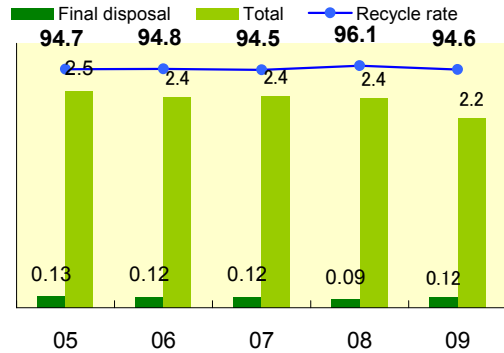
**Water**

Unit: 1000m<sup>3</sup>



**Waste**

Unit: 1000t, %



**Circulated water**

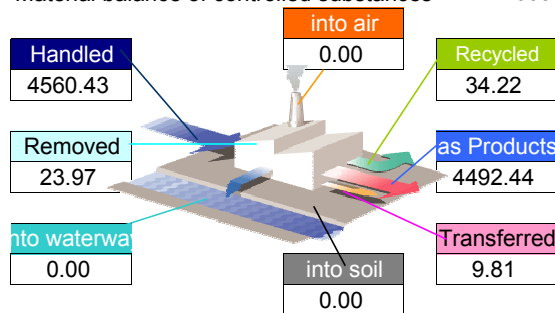
Rain-water FY2009

16,123.01 m<sup>3</sup> 0.00 m<sup>3</sup>

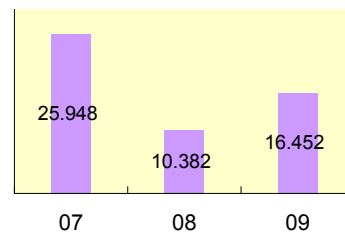
**Chemical substances**

09

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/](http://panasonic.net/eco/factory/chemical_substance/)

About the above data

**Compliance FY2009****<Air pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm <sup>3</sup> /h				0.00		
					0.00		
					0.00		
NOx	ppm				0.00		
					0.00		
					0.00		
Particulate	g/Nm <sup>3</sup>				0.00		
					0.00		
					0.00		

**<Water pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l				0.00		
		River out			38.83		Monthly
					0.00		
BOD	mg/l				0.00		
		River out	60.00		5.00		Monthly
					0.00		
Nitrogen	mg/l				0.00		
		Point 3	20.00		1.31	4.60	Monthly
					0.00		
Phosphorus	mg/l				0.00		
		Point 3			0.60	1.00	Monthly
					0.00		

**<Noise and vibration>**

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Point 2	70.00		71.60	77.00	Annual
		NT Point 1	60.00		69.30	74.00	Annual
Vibration	dB	DT N.A.			0.00		74
		NT N.A.			0.00		74

\*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**

The points 1, 2 correspond to the edge of the Via Dutra (High way).

**Improvement of direction by government, or point outs by neighbor**

Occurrence situation	Countermeasure
There isn't neighbor to Panasonic.	Not necessary

## Environmental Policy

Revision - oct, 2008.

### ENVIRONMENTAL POLICY

#### Política de Qualidade e Ambiental

Atender aos requisitos legais aplicáveis e outros requisitos inscritos pela organização, as normas NBR ISO 9001, NBR ISO/TS 16949 e NBR ISO 14001, os procedimentos da Panasonic Corporation e da Panasonic do Brasil Limitada;

Garantir a segurança e confiabilidade de seus produtos;

Respeitar o meio ambiente prevenindo a poluição, minimizando os aspectos e impactos ambientais em seus processos, produtos, serviços e atividades em geral, aplicando o conceito dos 3R's (reduzir, reciclar e reutilizar os resíduos gerados);

Banir o uso de substâncias ambientalmente perigosas conforme a diretiva RoHS;

Buscar a melhoria contínua dos seus sistemas de gestão da qualidade e ambiental, monitorando e analisando criticamente o desempenho de seus objetivos e metas, visando a satisfação de seus clientes e demais partes interessadas.

A razão de viver da Panasonic do Brasil Limitada é realizar seus negócios visando o aumento da satisfação dos clientes.

versão 00 (out/08)

Masanobu Matsuda

Presidente

**Aiming to reduction of environmental impact**



**Replacement of drinkers who use freon gas.**

First phase - 10 parts; second phase - 10 parts and the third and final phase - 12 parts.



**Air pipe water system**



Installation of sensors presence in some sectors  
 Estimated annual reduction: 738 kg



Installation of a variable working compressor  
 Date of implantation: 2008 august  
 Estimated annual reduction: 19.378 kg CO2/year



Optimizing the use of

**Environmental Communication**



**ECO RELAY**

**Not driving to the office day**

The day choice for this event: "not driving to the office day" was october 09,



**Seminary with participation of the 46 employees**  
 Panasonic Corporation initiatives (Japan) about CO2 Reduction before and after.



Exhibitions, events



**Planting of 100 seedlings of trees in the area of internal factory**



Distribution of leaves of trees (paper card) employees to write messages on the

**Emergency preparedness and response**

**About our concept and training plan**

Panasonic of Brazil have your preparedness and response emergency procedure including all risks of the company. The training calendar include Activities: Fire fight, Leakage of Chemicals, First Aid and Evacuation. The Brigade of emergency train monthly as according to annual calendar.



**Leakage of Chemical Simulation**

Oct 2008, Simulation with Leakage of Chemicals simulation inside company



Training for fire men on the use of fire extinguishers.