

Address	San Rafael de Alajuela, Costa Rica				
Lot area	31200m ²	Total floor area	11458m ²		
Establishment day	1967/3	Employees	125persons		
ISO14001certification date	1999/3	ISO14001renewed	2008/10		
Major Products	BATERRY, CONSUMER, CONSOLIDATED Co.,				
Environmental CommunicationFY2009					
Information disclosure	5items	visitors on factory tour	150persons	collaboration with municipality	2items
Contact	Jerry Garita Brenes		TEL:	(506) 2509-2552	

Message from Compliance Administrator

Since 1999, Panasonic Centroamericana, S.A. has carried out efforts to reduce the heavy metals in our production process and our products, dry batteries. We also have reduced the consumption of water, energy and eliminated dirty fuels. These projects have been carried out the purpose to reduce damage to our environment and save non renewable resources.



Compliance Administrators

Jerry Garita Brenes

Main activities in FY2009

Target	Result
CO2 Emission Reduction	Reduction 127 ton vrs LY
Rain Water reuse	Reuse 200 m ³
Waste Reduction	Waste Reduction by 28%

Products of Environmentally-conscious information



Dry Batteries

We have produced these zinc/carbon batteries since 1967. Since 1999 we have eliminated heavy metal, the cadmium. and since October 2005 we have produced them without mercury. Now we are try to reduce lead, too.



UM-1 (R20) and UM-3 (R6)

From March 2005, all our products obey the RoHS specifications, more than one year before the regulation has been started officially in Europe.

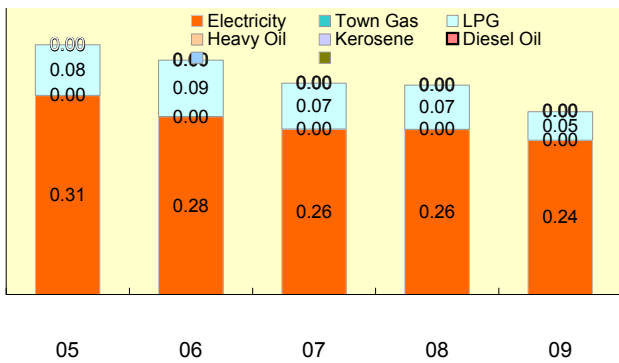
-> link to a product information web-site.

Environmental performance data

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

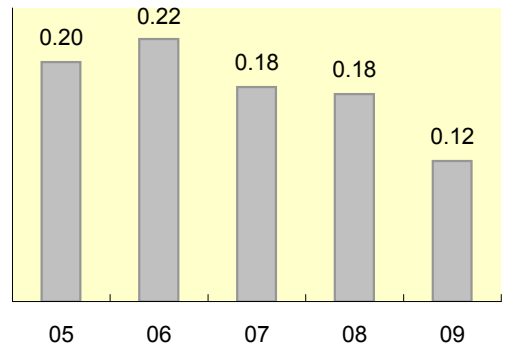
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2



Natural Energy

FY2009

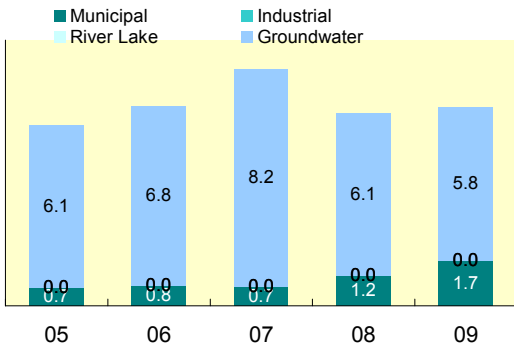
0.00 1000kWh

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: 1000m³



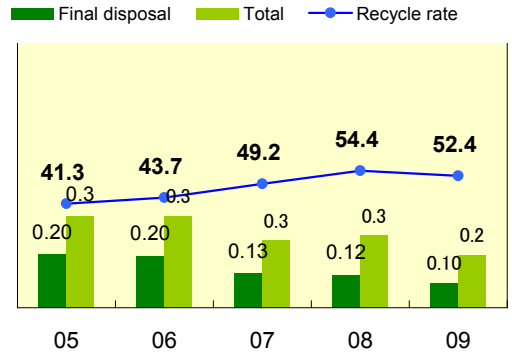
Circulated water

Rain-water FY2009

500.00 m³ 200.00 m³

Waste

Unit: 1000t, %

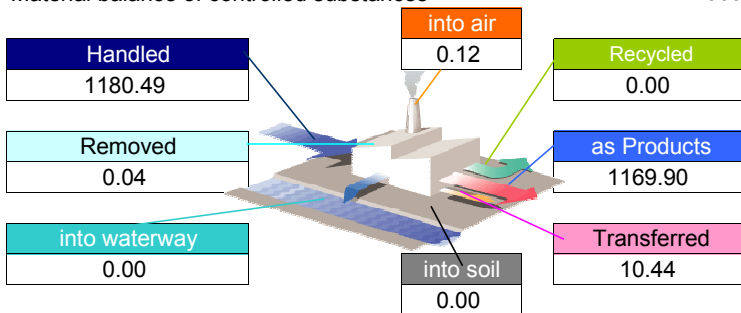


Chemical substances

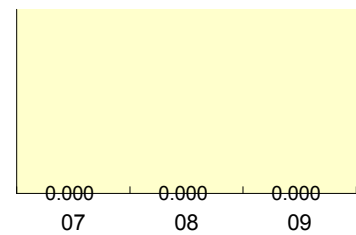
09

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/

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 ³ /h	Zinc Furnace	0.00	50 mg/Nm ³	0.00	0.3 mg/Nm ³	Once year
					0.00		
					0.00		
NOx	ppm	Zinc Furnace	0.00	100 mg/Nm ³	0.00	65 mg/Nm ³	Once year
					0.00		
					0.00		
Particulate	g/Nm ³	Zinc Furnace	0.00	80 mg/Nm ³	0.00	31 mg/Nm ³	Once year
					0.00		
					0.00		

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Treatment water	150.00	100.00	0.00	36.00	Twice year
					0.00		
					0.00		
BOD	mg/l	Treatment water	50.00	40.00	0.00	21.00	Twice year
					0.00		
					0.00		
Nitrogen	mg/l	Treatment water	0.00	0.00	0.00	5.50	Twice year
					0.00		
					0.00		
Phosphorus	mg/l	Treatment water	0.00	0.00	0.00	0.38	Twice year
					0.00		
					0.00		

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Company borde	75.00		0.00	58.00	Once month
		NT Company borde	75.00		0.00	50.00	Once month
Vibration	dB	DT No regulation			0.00		
		NT No regulation			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

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Improvement of direction by government, or point outs by neighbor

Occurrence situation	Countermeasure

Environmental Policy

Panasonic Centroamericana, S.A., dedicates to the production of zinc/carbon batteries, acid/water dissolving for car battery, sale of batteries, electric and electronic equipment, spare parts, accessories and customer service; commits to the society carry out these activities in harmony with the environment, reducing the adverse impacts to the human health and the nature. To archive this object, We will insist to complete tou our object to our employee and maintain our process based on improvement enviroment and quality of zinc/carbon batteries and customer service,to prevent the contamination and keep effectivity of our processes. We have objectives to define and follow our behavoir rules (the seven principles), we will observe several laws and hazards substances requirements to promote the human well-being.

1. Reduce the heavy metals in process and products (dry batteries) as well as cells defects in lines.
2. Increase our rate of recycling of waste.
3. Decrease the water use in process and sewage.
4. Maintain constant projects to achieve the energy saving.
5. Maintain recycling of paper and carton.
6. Reduce the emissions from CO2 to the environment.

Aiming to reduction of environmental impact**Support Talamanca Community**

Donate to conserve forests and to train people in the region by Talamanca Biological Area:

Talamanca is one of the most depressed areas of the country, with less access to education, training, alternatives, health, etc.

For this reason, the Asociación del Corredor Biológico de Talamanca seeks the cooperation of different institutions, public and private enterprises to promote the protection and

Panasonic was one of the sponsors of schools during 2008, specifically the School of Suretka, supporting the process of environmental education that takes place in communities belonging to Talamanca.

Environmental Communication**Feria Empresarial de la Mano con el Ambiente**

The fair was held in Escuela España in San Antonio de Belén, Heredia.

Panasonic made the presentation of production processes, products, environmental initiatives, and treatment and proper disposal of batteries which is made in the company to create awareness in the community

**Eco Relay**

Invited about 50 children from primary schools in the city of San Rafael de Alajuela and were the following:

- Tour for dry battery factory.
- They explained, how to make a dry battery?
- Environmental Education.

Emergency preparedness and response**About our concept and training plan**

In PCA, we keep a structure for emergency plans and capacity of response.

The Committee of Emergency is integrated by four members and the Board of Emergency with 14 members, the current emergency plan is

**Case of a training**

Training on the handling of extinguishers

Yearly trainings are programmed in:

- Handling of extinguishers
- First Aids
- Contention of Leaks, etc.