


Address	President Dutra, Highway, Km 155 - São José dos Campos - Brazil				
Lot area	240482m ²	Total floor area	41860m ²		
Establishment day	1967/12	Employees	600persons		
ISO14001certification date	2011/6	ISO14001renewed	2014/8		
Major Products	Battery (Alkaline + Manganese),				
Environmental CommunicationFY2010					
Information disclosure	1items	visitors on factory tours	656persons	collaboration with municipality	2items
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.



Other environmental activities:
1) Continuation of projects to reduce CO2 emission

Compliance Administrators

Main activities in FY2010

Target	Result
Eco Relay	Activities involving all employees about Sustainability: Not driving to the office day, Exposition about regional biodiversity (Plants, orchids, Environmental Maquette), exhibition about the rational use of water, Tree planting with the participation of managers and children; Children environmental education with support of company recreation. Aerial photo forming the word "ECO", involving children and employees and with the flags of Japan and Brazil. One hour of lights and equipment off in Battery factory. Donation of tree seedlings for all employees. Preparation of an ecological lunch to all employees. Closing the week with an environmental theater with a theater company specializing in environmental theater.
Project for energy reduction	CO2 Emissions _2010 Plan = 1404 ton.; CO2 Emissions _2010 Results = 1300 ton. Projects for CO2 Reduction:1) Optimization of lighting in the Administrative Department. 2) Optimizing the use of compressed air and leak reduction. 3) Optimization of air compressor of the D.M.I. (Department of Internal Manufacturing). 4)Reduction of standard time and change in the work of painting line cavities (without gaps) of the oven healing continued. System already deployed, but kept for 2011.

Products of Environmentally-conscious information



Product
Manganese and Alkaline Battery.
Point of environmentally-conscious
1) Batteries without addition of Cadmium and Mercury.
2) Elimination 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 utilizable in the printing packing of dry batteries not include lead.

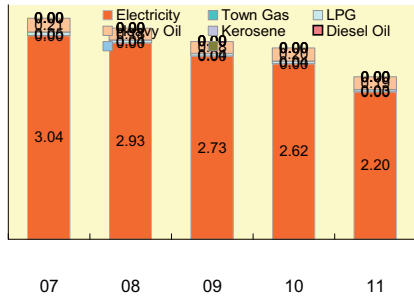
-> link to a product information web-site.

Environmental performance data

Year displayed in graph ex) 2011: April 1, 2010 - March 31, 2011

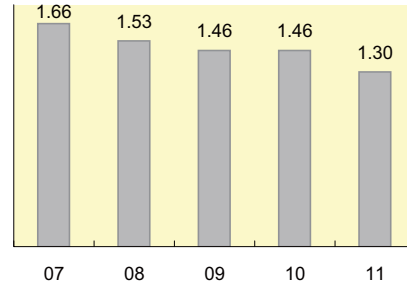
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2



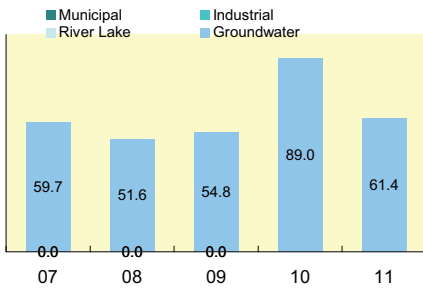
Natural Energy FY2011: 0.00 1000kW/h

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

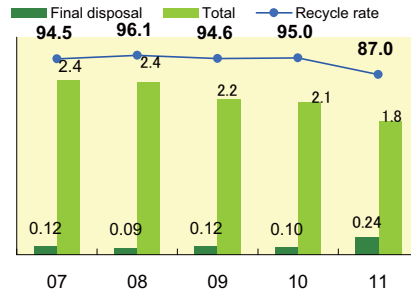
Unit: 1000m³



Circulated water FY2011: 11,697.18 m³
Rain-water FY2011: 0 m³

Waste

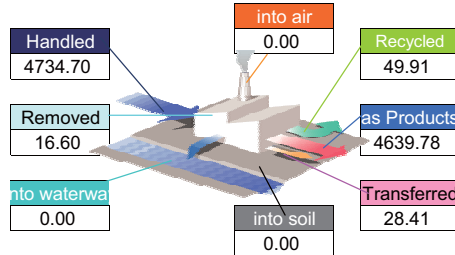
Unit: 1000t, %



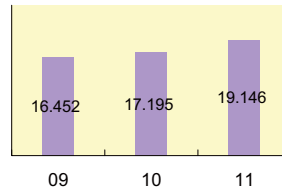
Chemical substances

Unit: t

Material balance of controlled substances FY2011



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

The fall of the waste recycling rate was due to waste generated from sacks of black powder that before going for recycling, but now we are no longer able to recycle them. We are seeking other companies to recycle this waste.

Compliance FY2011**<Air pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h						
		Ponto 3			2505.00		
NOx	ppm						
		Ponto 3			21.00		
Particulate	g/Nm ³						
		Ponto 5			0.05		

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l						
		River out			39.25		Monthly
BOD	mg/l						
		River out	60.00		5.00		Monthly
Nitrogen	mg/l						
				20.00	0.27	1.00	Monthly
Phosphorus	mg/l						
					0.93	2.00	Monthly

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Point 7	70.00		70.00	73.00	Annual
		NT Point 1	60.00		61.00	64.00	Annual
Vibration	dB	DT N.A.					-
		NT N.A.					-

*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, 7 correspond to the edge of the Via Dutra (High way). The traffic in this road is always intense

Improvement of direction by government, or point outs by neighbor

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

Environmental Policy

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

O compromisso em suas atividades nas unidades de Manaus, São José dos Campos e São Paulo de:

importação, manufatura interna, fabricação, comercialização, distribuição e prestação de serviços de seus eletrodomésticos, produtos de saúde e beleza, eletro-eletrônicos de áudio e vídeo de consumo, soluções comerciais, automotivas, industriais e de informática;

fabricação e comercialização de pilhas e lanternas elétricas, comercialização de pilhas, baterias e lanternas elétricas importadas é de:

Atender aos requisitos legais aplicáveis e outros requisitos subscritos 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;

Manter a melhoria contínua dos seus sistemas de gestão da qualidade e ambiental, monitorando e e

Presidente

Aiming to reduction of environmental impact



Education

Educational lectures to adults and children covering the following themes: water, energy, climate change, recycling.



CO2 Emissios Projects

Monthly monitoring of projects to reduce CO2.

Environmental Communication



Exposure of the Department of Environment showed that SJC activities on the environment by performing puppet workshop with birdseed and project "Urban Garden. Activity involving employees children.



Tree planting with participation of Mr. Shigeta - Administrative Director and Managers



NGO Green Valley with the exhibition of Environmental Mockup. Children participate in drawing competition



"Not driving to the office day"



Aerial photo involving children and employees and with the flags of



Lecture on water treatment and sewage



Donation of the tree seedling



Ecological lunch to all employees



The theater was the theme of sustainability. The effects of deforestation, pollution, climate change. He showed a vision of the future would be like if we do not preserve the

Emergency preparedness and response



First aid training.



Training using fire hoses



Simulated of the evacuation area



Training using fire extinguisher



Testing of fire hoses



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 are trained monthly as according to annual calendar.