


Address	20608 Madrona Ave Torrance CA 90503					
Establishment day	1997/9					
ISO14001 certification date	1998/4	ISO14001 renewed		2011/2		
Major Products	Game Disc, Blu-Ray, Digital Authoring					
Environmental Information disclosure	Communication FY2010	1 items	visitors on factory tour	0 persons	collaboration with municipality	2 items
Contact	FACILITIES		TEL:	310-783-4800		

**Message from Compliance Administrator**

The optical disc manufacturing facility is located in Torrance, California USA. Main product is the 120mm optical discs catered for the gaming industry and the Blu-Ray (BD) discs for the consumer electronics market. PDMC has been promoting the following activities: Reduce, Reuse, Recycling, Waste and Energy (CO2) Reduction and Water Conservation.

In addition to resources directed to installation of energy efficient equipment, manufacturing equipment to curb further energy consumption/CO2 reduction, effort has also been directed to yield/process improvement with the goal of further reducing waste/recyclable material where feasible. Reuse of packaging material is also another feature of waste reduction effort implemented.

Quality system has been adjusted/setup/modified to accommodate RoHS-Green Products requirements.

XRF screening system of incoming materials/out-going finished goods are implemented to monitor/prevent hazardous materials being introduced into production and ultimately into finished goods.



Compliance Administrators

**FRIEDER ECKERT**

**Main activities in FY2010**

Target	Result
Reduce electricity usage resulting in less CO2 emissions.	Efficient production hours/yield, introduction of new VFD chiller motor, and usage of LED lighting led to 3.5% reduction in CO2 emissions. Yearly target of energy reduction met.
Reduce waste products from manufacturing/production.	More efficient testing (production) activities, and improved yield for final products led to 10% reduction in waste. Yearly target of waste reduction met.
Reduce usage of water consumption.	Replacement for more efficient chiller motor resulted in 8% reduction of water consumption from previous year. Total water consumption down 19%, with yearly target met.

**Products of Environmentally-conscious information**



**120mm optical disc**

Demand for the optical disc has somewhat declined since previous years, however, steady production still remain. Efficient production scheduling and yield improvements have contributed to further energy reduction.

System for screening and controlling prohibited substances at direct material input (meeting RoHS and customer requirements) is in place.



**BluRay (BD) disc**

Demand for the BD disc continued to grow throughout FY 11.

New machines were introduced to keep up with production, with anticipation of more energy/material demand. However, with more eco-minded activities, energy/material usage were kept to a minimum.

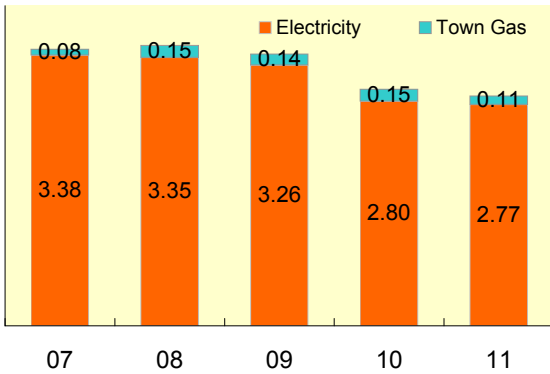
System for screening and controlling prohibited substances at direct material input (meeting RoHS and customer requirements) is in place.

**Environmental performance data**

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

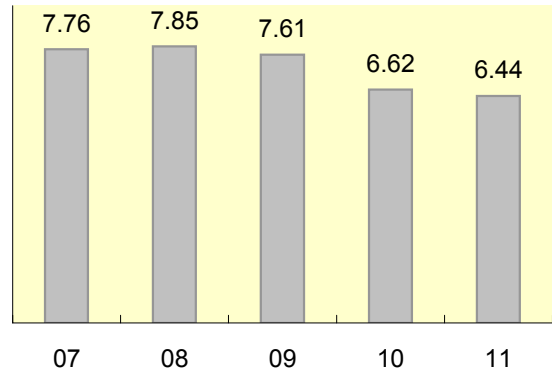
**Energy**

Unit: 1000kl



**CO2 Emission**

Unit: 1000t-CO2

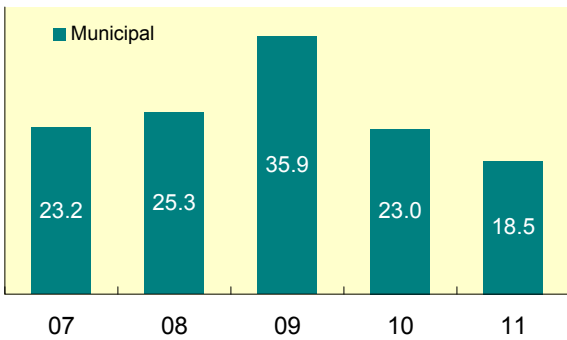


**Calculation standards**

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.

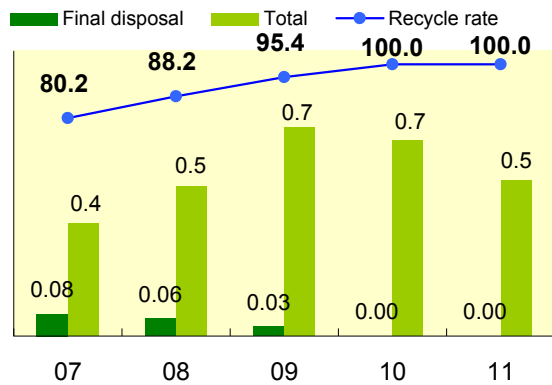
**Water**

Unit: 1000m³



**Waste**

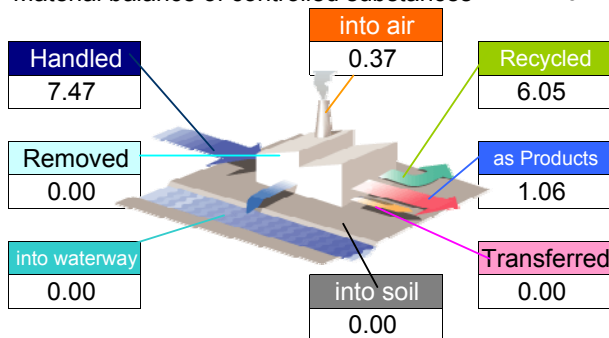
Unit: 1000t, %



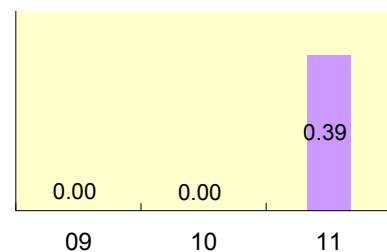
**Chemical substances**

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

About the above data

There is no item to report

**Compliance FY2011**

**<Air pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm³/h	N/A					
NOx	ppm	N/A					
Particulate	g/Nm³	N/A					

**<Water pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	PDMC-14420	NONE	NONE	73.00	200.00	MONTHLY
		PDMC-15341	NONE	NONE	221.00	323.00	2-MONTH
BOD	mg/l	N/A					
Nitrogen	mg/l	N/A					
Phosphorus	mg/l	N/A					

**<Noise and vibration>**

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT BUILDING 1, NE REAR	95.00	95.00	85.00	90.00	6-MONTH
		NT BUILDING 1, NE REAR	95.00	95.00	70.00	80.00	6-MONTH
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**

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

**Panasonic Disc Manufacturing Corporation of America**

20608 Madrona Ave, Torrance, CA 90503 (310) 783-4800

**ENVIRONMENTAL POLICY**

Panasonic Disc Manufacturing Corporation of America produces high-quality DVD Discs for the game and computer industries. As a Matsushita Group Company, we acknowledge that we have a responsibility to recognize, evaluate and manage the significant environmental aspects related to our products, our facility and its surroundings. We, therefore, pledge ourselves to the prudent, sustainable use of the earth's resources, the prevention of pollution, and the protection of the natural environment while we strive to fulfill our corporate mission of contributing to the betterment of everyone.

We will continually maintain a proactive attitude towards environmental issues involving training, education, and awareness throughout our operations so that all members are informed.

In order to implement this policy, and to comply with all applicable legislation, we are committed to continually improve the performance of our environmental management system.

Environmental objectives established from time-to-time will reflect our commitments, and we will allocate the necessary resources to fulfill these objectives. Foremost among the aims of Matsushita Group Companies worldwide are:

Protection of the Ozone Layer  
Reduction of Global Warming  
Reduction of Industrial Waste  
Efficient Use of Resources

This policy will be communicated to all our members and will be available to the general public.

Approved by CEO and President: Ken Sakiyama

Signature Ken Sakiyama  
Date Aug/28/2007

Approved by VP Administration: Martin (Marty) Burstein

Signature Marty Burstein  
Date 8/28/07

Rev. 3 8/28/07

**Aiming to reduction of environmental impact**

**Sea Lab Beach Cleanup**

As part of the larger Eco Relay projects and community communication, PDMC employees were encouraged to participate in local community beach clean up efforts.



**Environmental Communication**



**ISO 14001 Refresher training**

Annual refresher training is offered to all employees. The training is mandatory to all new employees. The contents covers the ISO 14001 standard requirements and emphasizes on waste reduction, energy conservation and recycling.



**Hazardous Waste Management & Storm Water training**

As part of the large quantity waste generator requirements, PDMC employees receive annual training whose responsibility includes hazardous waste handling.

Storm water is another additional training requirement to personnel charged with facility surface cleanliness and liquid material handling.

**Emergency preparedness and response**

**PDMC concept and training plan**

PDMC has implemented the 5S program (Sort, Straightening, Systematic cleaning, Standardizing, Sustaining) aimed at efficient and effective manufacturing to combat wasteful production, clean and organized site to combat clutter, and ISO certified structure (procedures, specifications, forms, flowcharts, etc) which ultimately leads to safer, cleaner working environment for all employees and reduction of worker accidents.

The site also implemented emergency and preparedness response programs i.e. emergency fire drills; monthly safety meeting; safety promotion to handle emergency preparedness at PDMC.

Annual Hazardous Material Communication training is mandatory to all employees in addition to the ISO 14000 refresher training.

Spill kits and routine visual inspection are required in areas where possible liquid pollution can take place.