


PT. Panasonic Shikoku Electronics Batam

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

Address	Main Office Lot 209 - 210 Jl Beringin, Batamindo Industrial Park					
Lot area	7677m ²	Total floor area	32977m ²			
Establishment day	1998/10	Employees	6980persons			
ISO14001certification date	1999/11	ISO14001renewed	2008/11			
Major Products	Linear Tape Open, Fluid Dynamic Bearing, Optical Disc Drive					
Environmental Information disclosure	2items	visitors on factory tour	18persons		collaboration with municipality	2items
Contact	Production Engineering		TEL:		+62-770-610283	

Message from Compliance Administrator

Panasonic Shikoku Electronics Singapore Pte. Ltd.(PSECS) established in Singapore since May 1987, unified with PT Panasonic Shikoku Electronics Batam (PSECB) on April 2002. This unification PSECS act as "Control Tower" of the EMS activities for PSECS/PSECB. The nature of business for PSECB1 is the manufacture of Fluid Dynamic Bearing (FDB) & Linear Tape Open and PSECB2 is Optical Disc Drives. Since Sept 2003, PSECS & PSECB EMS has been integrated and certified with the scope: Design & Development and manufacture of Fluid Dynamic Bearing Assembly, Manufacture of Electronic Peripherals & Manufacture of Hard Disk Drives. Part Machining was transferred from OZU Japan to PSECB from Feb 2004. OHSAS18001 certification obtained on January 2008 and the scope then is known by EHS



Compliance Administrators

Mr. Saharudin Hj Idris

Main activities in FY2009

Target	Result
To maintain PROPER award achievement with "GREEN flag"	Green Flag Achievement
Re-certification of ISO14001 and surveillance of OHSAS18001 at October 2008	Complete

Products of Environmentally-conscious information



Product
Fluid Dynamic Bearing Motor for Hard Disk Drives

Point of environmentally-conscious
 Achieve for RoHS free product



Product
Linear Tape Open

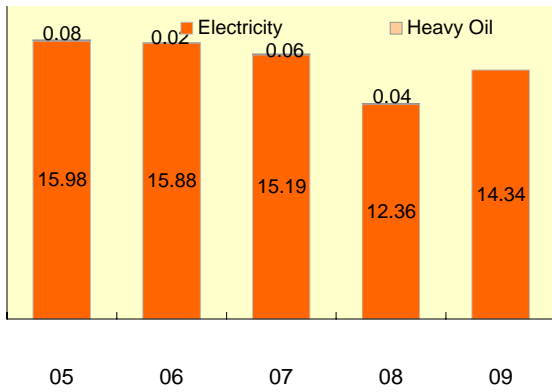
Point of environmentally-conscious
 Achieve for RoHS free product

Environmental performance data

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

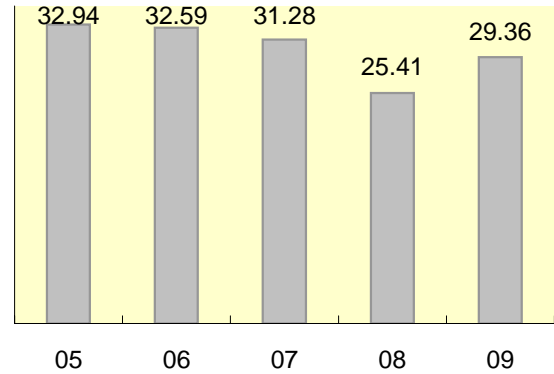
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

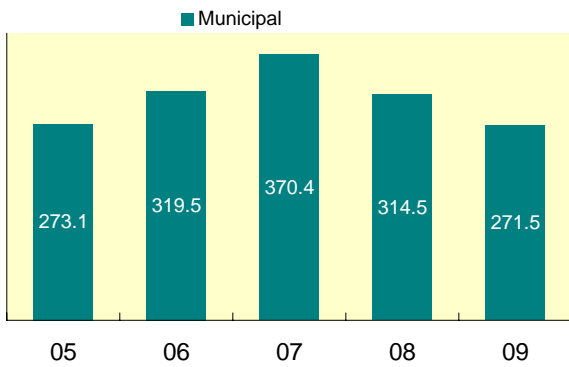


Calculation standards

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

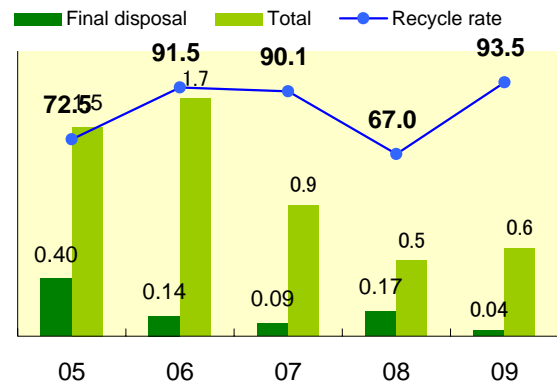


Circulated water

82,217.53 m³

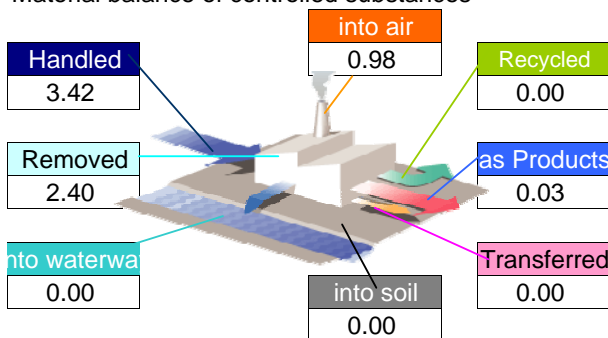
Waste

Unit: 1000t, %

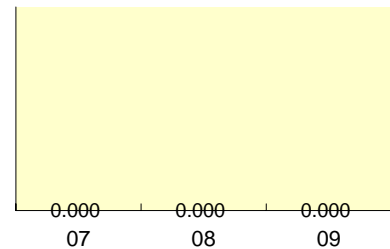


Chemical substances

Material balance of controlled substances



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	1st Floor	800.00	800.00	16.70	24.10	Every 6 Month
		2nd Floor	800.00	800.00	25.10	45.00	Every 6 Month
		3rd Floor	800.00	800.00	4.72	7.80	Every 6 Month
NOx	ppm	1st Floor	1000.00	1000.00	27.75	33.00	Every 6 Month
		2nd Floor	1000.00	1000.00	13.15	21.00	Every 6 Month
		3rd Floor	1000.00	1000.00	11.16	13.00	Every 6 Month
Particulate	g/Nm ³	1st Floor	350.00	350.00	21.25	23.00	Every 6 Month
		2nd Floor	350.00	350.00	25.99	36.00	Every 6 Month
		3rd Floor	350.00	350.00	12.15	19.00	Every 6 Month

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	WWTP	300.00	300.00	109.00	131.00	Monthly
BOD	mg/l	WWTP	150.00	150.00	62.00	98.00	Monthly
Nitrogen	mg/l	WWTP	30.00	30.00	7.05	18.60	Monthly
Phosphorus	mg/l	WWTP	3.00	3.00	0.02	3.e-002	Monthly

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT 1st Floor	70.00	70.00	64.20	64.20	Annually
		NT 2nd Floor	70.00	70.00	64.20	64.20	Annually
Vibration	dB	DT N/A	N/A	N/A	N/A	N/A	N/A
		NT N/A	N/A	N/A	N/A	N/A	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

As a manufacturer of Fluid Dynamic Bearing Machining Parts, Fluid Dynamic Bearing Assembly, Printed Circuit Board Assembly, Optical Disk Drive Assembly and Linear Tape Open Drive Assembly. we commit ourselves to conduct all operations with minimal impact on the environment guided by an effective Environmental Management System

We shall :-

- a. Minimize and where appropriate, eliminate pollution by emission and waste reduction and resource optimization.
- b. Commit to comply with relevant environmental legislation, corporate and other requirements.
- c. Review the environmental objectives and targets for continual improvement of our environmental performance.
- d. Cultivate Employees' awareness on environmental management system and policy.
- e. Establish good communication with external interested parties.

Aiming to reduction of environmental impact**Energy Saving Activities**

CO2 reduction is one of important and compulsory in our daily activity. Various type of activities is conducted in the factory and one of the committed activity on the machinery is replacement of chiller unit from air cool become water cool have a very significant impact to the activity.

**Asbestos Survey & activity**

Asbestos free assessment was conducted in the company as one of the requirement that required to be fulfilled. Engage professional to do the survey and the company was confirmed that no asbestos material is being used in the premises.

Environmental Communication**Benchmark system visit from PT. TEAC**

Visit from other company to study the environmental and safety system in the company since we were certified with Indonesian Government standard (SMK3). The benchmark was discussed on how and exchange of idea for certification and the procedure.

**Panasonic Eco relay**

In line with Panasonic 'eco ideas' pledge is "eco idea for everybody and everywhere". One of the Panasonic group eco-relay activity implementation together with Panasonic of Singapore Environmental Management Committee is weeding activity at the Sengkang River of Singapore. Ex. Singapore Prime Minister also attended to the event.

**Family Day for Green Day**

Family Day with tree planting activity towards "Green the earth". Even while having fun and excitement with one of the group family day without forget do the tree planting at one of the resort to show our commitment towards green the earth and care to the environment. All the event arranged also relate with green thing and one of the example is team name (green-green-green

**Green Award for PROPER from Indonesian Government.**

PSECB was awarded by the government as appreciation of managing the factory and activity without fail throughout the business activity from the day 1st of business until today. The award was handover from the mayor of Batam and witness by Environmental Minister of Indonesia.

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

“Emergency preparedness and response” is planned as per emergency response procedure on yearly basis. Employees were trained during pre employment of service. Evacuation drill has been conducted yearly at each business unit with the coordination from top management to the lower level staff.

**Training for "Evacuation Drill"**

Series of evacuation drill being scheduled and done successfully as one of the continuous activity and on of the requirement of regulation. Employees are evacuated in front of PSECB. The fire brigade being called and simulate their fire fighting by water hose and fire engine.