

PT. Panasonic Shikoku Electronics Indonesia

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

Address	MM2100 Kawasan Industri Blok O-1 Cikarang Barat, Bekasi - Indonesia		
Lot area	128000m ²	Total floor area	60000m ²
Establishment day	1991/5	Employees	2109persons
ISO14001 certification date	1998/6	ISO14001 renewed	2008/10
Major Products	Camcorder, PDP Power Supply, Other, Environmental CommunicationFY2009		
Information disclosure	1items	visitors on factory tour	0persons
Contact	Rachmad K.(EPPO Section)		TEL: 62-21-8980005



collaboration with municipality 0items

Message from Compliance Administrator

Environmental activity on FY 2009 (1 April 2008 - 31 March 2009) is focused on activity to reduce CO2 emission. Effort to reduce CO2 emission is promoted for entire company activities including office activity. To capture figure of our electrical energy consumption and to identify energy loss, 'watt-meter' devices were installed. Our hard effort has significant result in reducing CO2 emission. Our CO2 emission in FY 2009 is 7.8 ton or reduced 25 % compared to FY 2008 emission level.



Compliance Administrators

Harry Sutandyo

Main activities in FY2009

Target	Result
Reduction of electrical energy consumption per production amount by 10 %	Achievement rate is 13.2 %
Reduction of waste quantity per production amount by 5 %	Achievement rate is 30.4 %
Promotion of reduction rate of water consumption by 2.5 %	Reduction rate is 3 %

Products of Environmentally-conscious information



Digital Video Camcorders(SD/HDD)



Digital Video Camcorders(DVD)



Digital Video Camcorders(DVC)



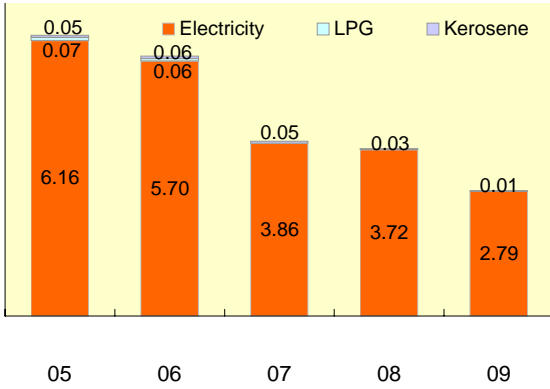
Power Supplies

Environmental performance data

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

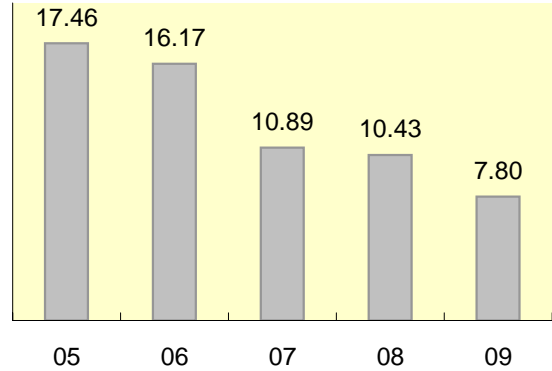
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

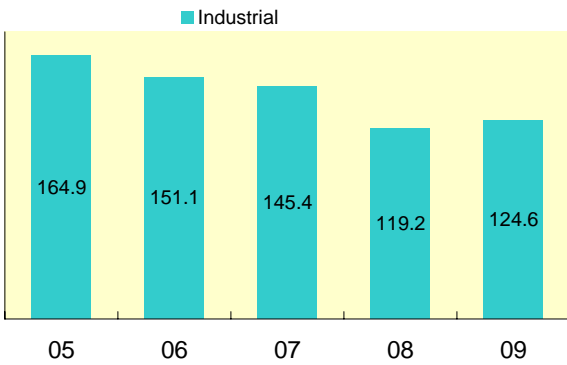


Calculation standards

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

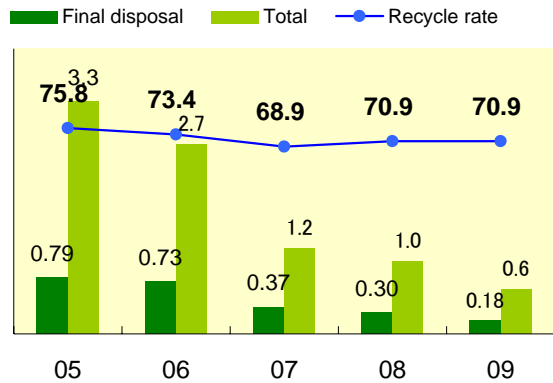


Circulated water

2,686.00 m³

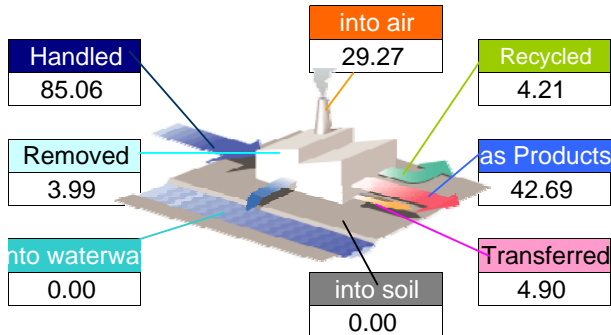
Waste

Unit: 1000t, %

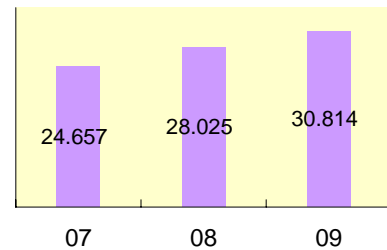


Chemical substances

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	Boiler	800.00	720.00	1.86	2.14	2X1year
NOx	ppm	Boiler	1000.00	900.00	26.58	40.61	2X1year
Particulate	g/Nm ³	Boiler	350.00	315.00	23.97	33.17	2X1year

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Lavatory	400.00	320.00	23.22	55.00	2X1year
BOD	mg/l	Lavatory	200.00	160.00	12.56	32.00	2X1year
Nitrogen	mg/l	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus	mg/l	N/A	N/A	N/A	N/A	N/A	N/A

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Boundary of fact	70.00	68.00	68.00	69.00	2X1year
		NT Boundary of fact	70.00	68.00	67.00	67.00	1X1year
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**TOP COMMITMENT**

PT Panasonic Shikoku Electronics Indonesia (PSECI) promotes environmental protection activities in order to achieve continual harmony between environmental protection activities and business management, in compliance with the standard environmental management policies of Panasonic Shikoku Electronics Co., Ltd.

All the employees at PSECI are requested to understand the importance of environmental protection activities and to commit to the promotion of the activities, in order to ensure a beautiful earth environment for future generations.

┌ ENVIRONMENTAL POLICY STATEMENT ┐

PSECI recognizes its corporate responsibility for protecting and contributing to the improvement of the earth's environment, and is committed to the promotion of environmental protection in compliance with the standards environmental policy of Panasonic Shikoku Electronics Co., Ltd.

"Let us commit ourselves to the promotion of environmental protection through prevention of pollution, regulatory compliance, and the continuous improvement of our environmental and business practices!"

We shall continually strive to minimize the environmental effects of our products, processes, and services conserve our use of natural resources; and encourage our employees' understanding of their environmental responsibilities. To achieve these goals, we shall:

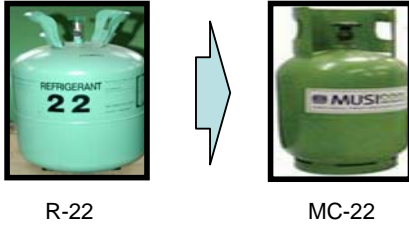
- establish an environmental management system (EMS) that complies with ISO 14001:2004;
- achieve and maintain international recognition of our EMS through independent certification;
- ensure that our EMS remains appropriate for the environmental effects of our products, processes, and services;
- voluntarily comply with all applicable legal requirements and other requirements, as well as other specifications and practices that may be required by corporate management;
- seek to continually improve our environmental management practices, and to prevent the environment pollution that may be attributable to our processes, products, or services;
- establish and periodically review appropriate environmental objectives and targets as part of our overall business planning activities; and
- meet or exceed our annual environmental targets through the implementation of our Environmental Management Manual (EMM) and its supporting environmental standards.

This policy statement shall be provided to all persons working for or on behalf of PSECI and made available to interested parties or the public.

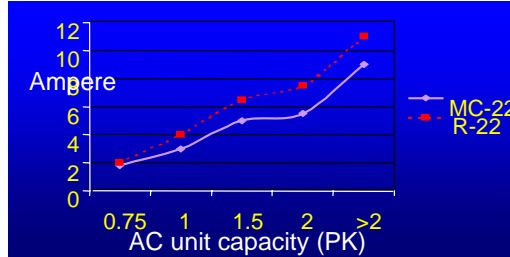
Aiming to reduction of environmental impact

Reduction of environmental impact by change refrigerant agent of AC unit

Previously refrigerant agent R-22 is used in each AC unit. This substance is categorized as ozone depleting substance (ODS). In order to reduce energy consumption it is proposed to change such agent with MC-22 (hydrocarbon type). Approximately 20 % energy consumption can be reduced. Moreover MC-22 is non ODS, so that impact to environment also can be reduced.



Comparison of energy use between R-22 & MC-22



Environmental Communication



Reporting environmental performance data

Communication to external party is done to comply with regulatory requirement. Reporting of our environmental performance should be done twice a year. All our environmental performance datas and waste management system as well are in compliance with regulation.

Emergency preparedness and response

About our concept and training plan

Emergency preparedness and response plan is updated annually. It is include improvement of facility and increasing employee awareness toward emergency response procedure by performing periodically training and procedure simulation as well.



Fire drill



Spill response training