


Panasonic Ecology Systems (Thailand) Co.,Ltd.

Address	101 Moo 2 Teparak Rd. T.Bangsaothong,A. Bangsaothong,Samutprakran 10540 Thailand.				
Lot area	12872m ²	Total floor area	16917m ²		
Establishment day	1996/12	Employees	542persons		
ISO14001 certification date	1998/1	ISO14001 renewed	2015/3		
Major Products	The manufacture of electrical fan , ventilating fan , mini sirocco, industrial electrical fan , industrial ventilating fan and industrial air Environmental CommunicationFY2014				
Information disclosure	1items	visitors on factory tour	275persons	collaboration with municipality	3items
Contact	Ms.S.Sununta / Cost&ISO Management			TEL: +66 (0) 27233000 ext 4591	

Message from Compliance Administrator

The company is located in Samutprakarn province. We performed environmental friendly promotion in site of Panasonic Thailand Co.,Ltd. Our products are electric fan, ventilating fan, mini sirocco, industrial electric fan, industrial ventilating fan and industrial air moving equipment. Our factory was certified by ISO14001:2004 "Environmental Management System" Since1998 and OHSAS 18001:2007 "Occupational Health and Safety since August 2008.In FY2011, We had been assessed certified as meeting the requirements of ISO 50001:2011 "Energy Management System" to manage an efficiency of energy consumption and the environmental prevention.



Compliance Administrators

Mr.Manabu Chikazawa

Main activities in FY2014

Target	Result
CO ₂ Emission Plan FY2014 = 2,369.07 Ton	CO ₂ Emission Result = 2,364.97 Ton (Data from Apr'14-Mar'15)
Factory waste recycling ratio = 99.90 %	Factory waste recycling ratio = 99.86 %
Chemical HEI = 648 Count.	Chemical HEI = 382 Count.

Products of Environmentally-conscious information



Ventilating Fan :
 Ventilating Fan helps air ventilation by intake & exhaust
Point of environmentally-conscious
 The Motor usage of low electricity consumption. Produced at less global environmental effect process. Comply with RoHS



Electrical Fan :
 Electrical Fan produces wind and creates cool and comfortable living environment.
Point of environmentally-conscious
 Energy saving at the top rank (No.5) in Thailand (Reference to TIS.)



Air Moving Equipment (AME) :
 Air Moving Equipment is suitable for ventilating in the large space such as in an office or a factory.
Point of environmentally-conscious
 Ventilation in a large space.This Product comply with RoHS standard.



Fine Factory Fan :
 Fine Factory Fan helps adjusting temperature in working environment especially in factory and warehouse by in-taking fresh air from outside into the building and exhausting hot
Point of environmentally-conscious
 The product comply with RoHS standard

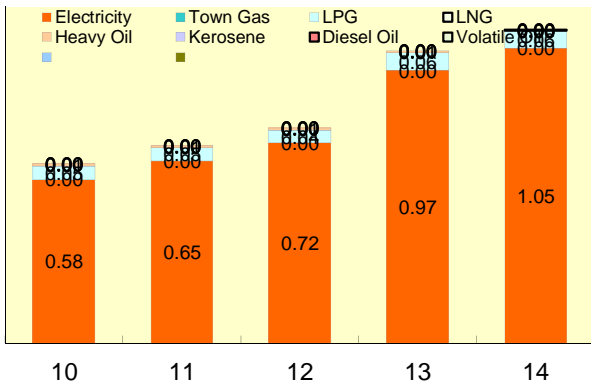
<http://www.panasonic.com/th/consumer/home-appliances/electric-fan.html>
<http://www.panasonic.com/th/consumer/home-appliances/ventilation-fan.html>

Environmental performance data

Year displayed in graph ex) 2014: April 1, 2014 - March 31, 2015

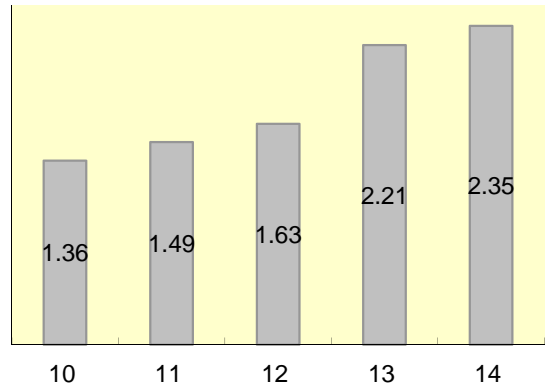
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2



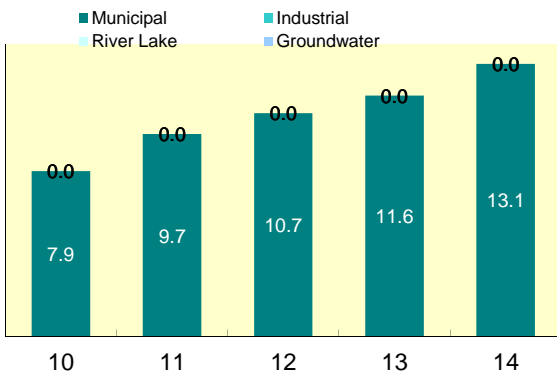
Natural Energy FY2014
0.00 1000kW/h

Calculation standards

CO2 emission = (Amount of electric power use in kWh x 0.5385 kgCO2/kWh)

Water

Unit: 1000m³

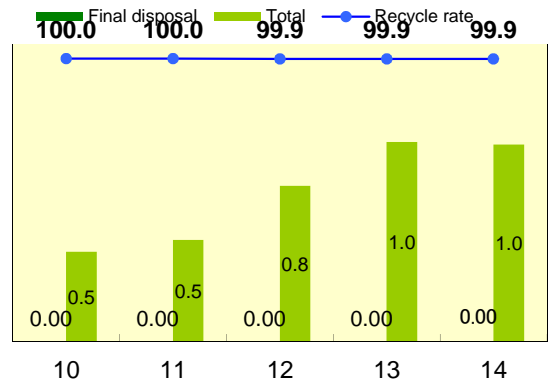


Circulated water FY2014
0.00 m³

Rain-water FY2014
0.00 m³

Waste

Unit: 1000t, %

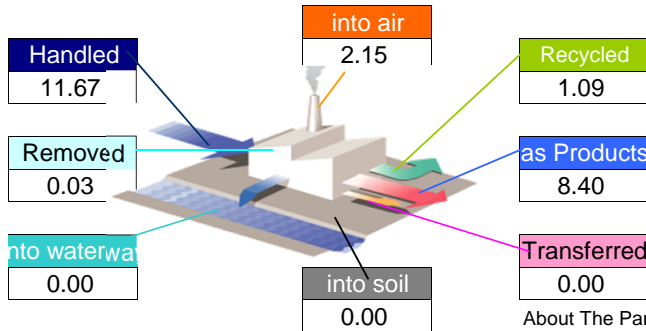


Chemical substances

Unit:t

Material balance of controlled substances

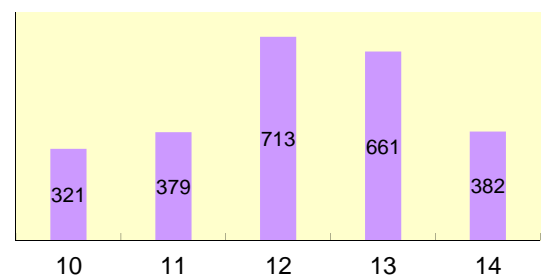
FY2014



Chemical substances

Unit:Count

Human/Environment Impact



About The Panasonic Group's Chemical Substances Management in Factories

<http://panasonic.net/sustainability/en/eco/chemical/index.html#factory>

About the above data

There is no item to report.

Compliance

FY2014

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	N/A			0.00		
					0.00		
					0.00		
NOx	ppm	N/A			0.00		
					0.00		
					0.00		
Particulate	mg/m ³	Die Casting : Burnner	320.00	4.50	4.50	4.50	Once a year
		Dust Collector Diecasting	320.00	11.00	11.00	11.00	Once a year
					0.00		

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	N/A			0.00		
					0.00		
					0.00		
BOD	mg/l	N/A			0.00		
					0.00		
					0.00		
Nitrogen	mg/l	N/A			0.00		
					0.00		
					0.00		
Phosphorus	mg/l	N/A			0.00		
					0.00		
					0.00		

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT PRESS YAMADA 200	90.00	85.00	85.00	86.80	Twice a year
		NT N/A	0.00	0.00	0.00	0.00	0
Vibration	dB	DT N/A	0.00	0.00	0.00	0.00	0
		NT N/A	0.00	0.00	0.00	0.00	0

*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

- 1) Complying with environmental legal and other requirement which the company subscribes.
- 2) Preventing and controlling water and air pollution from our performances.
- 3) Promoting an energy saving policy and minimizing the resource consumption.
- 4) Minimizing the waste by implementing the waste management program.
- 5) Reviewing the environmental management system in accordance to the condition changes to ensure continual improvement of our environmental performance.
- 6) Communicate to employees at all relevant functions and level including all persons working for or on behalf of the company to understand the environmental policy and performance by providing appropriate training in awareness and competence including bulletin board postings.
- 7) Promoting our environmental policy and activities to the public, advertising in important areas by the distribution of a variety of printed material (board posting, brochures, etc.)

Occupational Health and Safety Policy

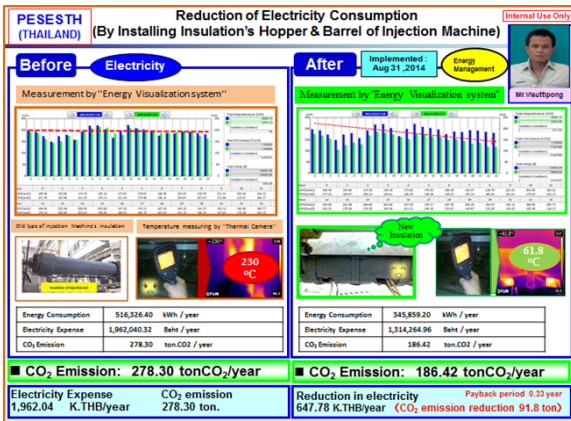
- 1) Complying with occupational health and safety legal and other requirement which the company subscribes.
- 2) Make all persons including employees, contractors and other visitors aware the importance of safety and keep safety is the basis of their performance.
- 3) Continually control, improve and protect hazard from our process and activities including health and property by controlling risk to be at the acceptable level
- 4) Supporting resources for implementation occupational health and safety management system to ensure its continual improvement.
- 5) Promoting safety training and activities for employee's knowledge and awareness.
- 6) Reviewing the occupational health and safety management system in accordance to the condition changes to ensure continual improvement of occupational health and safety.
- 7) Communicate the occupational health and safety policy for understanding and performance overall

Energy Policy

- 1) The energy conservation had been implemented as part of the company's operation and it is the responsibility of all executives and staffs at all level to cooperate in the maintaining the company's policy and procedure.
- 2) Complying with energy conservation legal and other requirement which the company subscribes.
- 3) To support necessary resource for implementation energy management system including procurement of product, services and design in order to enhance energy saving and continual improvements.
- 4) Control and utilize resources and energy with effectiveness and efficiency.
- 5) Reviewing the energy management system in accordance to the condition changes to ensure that continual improvement of energy management system.
- 6) Communicate the energy policy for understanding and performance overall company and available to

Aiming to reduction of environmental impact

To reduce an energy resources consumption, PESESTH has joined the APAC green challenge in the theme of CO₂ emission reduction. Activity title : Reduction of Electricity Consumption by Installing Insulation's Hopper & Barrel of Injection Machine. PESESTH won the "Bronze" prize of FY2014 APAC Green Factory Challenge.



Good achievement for environmental and financial contribution by using simple and basic approach

Environmental Communication

Panasonic Eco Relay : The Wild Life Conservation Project at Khoa Ang Rue Nai Wildlife Sanctuary on July 5,2014



LCSN Smart Energy Campfor Secondary Schools on 11th – 14th September 2014.



Environment Day : Exhibition at canteen on December 4th,2014



Aluminum Donation Project

Donaion center at cantee

Waste Reduction Campai

Donation area center at company

Emergency preparedness and response

The company arrange an activities to identify potential and respond to accidents and emergency including the way for preventing and evacuating of environmental impacts that may be occurred. The potential emergency cases in this year that have to be provided practice and train to employees are fire and explosion ,leakage/spillage of chemical and hazardous waste



Fire accident at production line

First aid practice

Evacuation practice

Name check at Assembly point