

Panasonic Electric Works Steel (Thailand) Co.,Ltd.

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

Address	51/4 Moo 2 Poochao Rd., Bangyaprak,Phrapradaeng,Samutprakarn 10130 Thailand			
Lot area	12720m ²	Total floor area	12720m ²	
Establishment day	1987/11	Employees	255persons	
ISO14001 certification date	1999/12	ISO14001 renewed	2009/1	
Major Products	Conduit, Fitting, Floor outlet,			
Environmental Communication Information disclosure	FY2009 1 items		visitors on factory tour 150persons	
Contact	Engineering Department		TEL:	0-23840038

Message from Compliance Administrator

Panasonic Electric Works Steel (Thailand) co.,Ltd.is an incorporated company of Panasonic Electric Works and Siam international steel and Mitsui Co.,Ltd.The main product is Conduit Pipe and fitting,Polyethylene Lining Steel Pipe and Floor Outlets,etc. We have been producing the environmental products. also continue to reduce CO₂ in factory



Compliance Administrators

Mr. Hiroshi Kato

Main activities in FY2009

Target	Result
CO2 Emission year on year basic unit 5% reduction	We reduced power in production processes as a result, and attain our emission reduction target.
Industrial waste year on year unit 5% reduction	reject from conduit tube use for raw material normal bend product.and galvanize minimize process ,the control of dross reduce zn material quantity of use.
Chemical substances year on year release and transfer of key-reduction target substances 2% reduction	We are making efforts to increase the yield and reduce the release and transfer by optimizing production conditions.However,we failed to achieve the reduction target with the increase of consumption resulting from a production increase.

Products of Environmentally-conscious information



Product Electrical Conduit Tube

- White Conduit
- Conduit Fitting

Point of environmentally-conscious

The products of material don't include the hazardous substances

- ### Product
- Polyethylene - Lining Steel Pipe
 - Polyethylene - Lining Steel Pipe Fittings

Point of environmentally-conscious

The products of material don't include the hazardous substance



Product Pop-up Floor Outlet Duplex

- Multi media
- Floor outlet aluminium
- Floor outlet
- Inner floor outlet

Point of environmentally-conscious

The products of material don't include the hazardous substance

- ### Product
- I&P Track Information & power track

Point of environmentally-conscious

The products of material don't include the hazardous substance

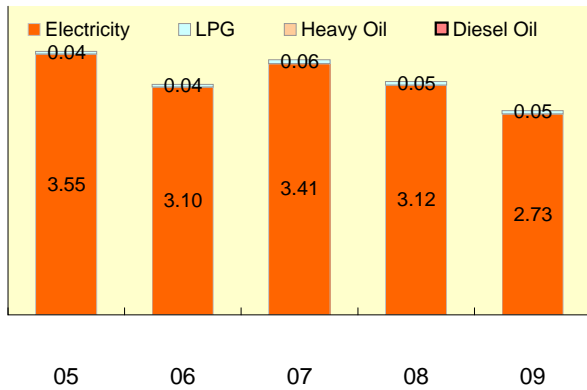


Environmental performance data

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

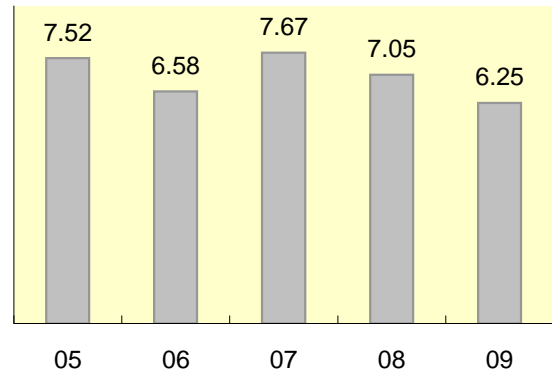
Energy

Unit: 1000kl



CO2 Emission

Unit: 1000t-CO2

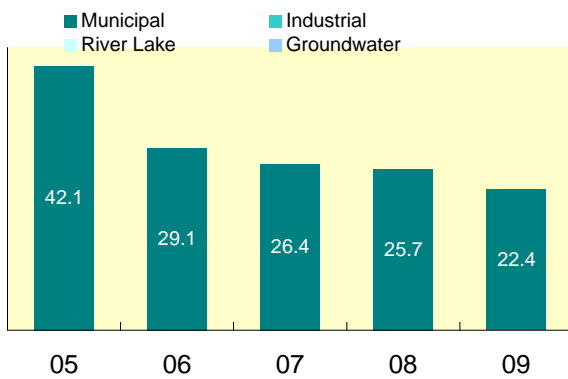


Calculation standards

CO2 emission = (Amount of electric power use in kwh x 0.5385 kgCO2/kwh)
+ (Amount of LPG use in m3 x 3.000 kgCO2/m3)

Water

Unit: 1000m³



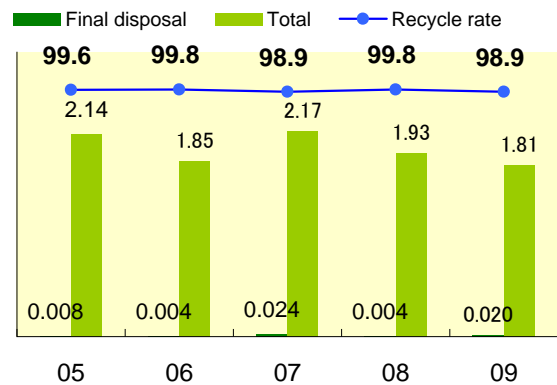
Circulated water

FY2009

122.78 m³

Waste

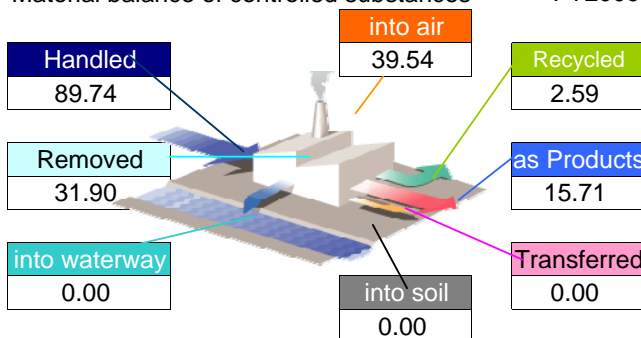
Unit: 1000t, %



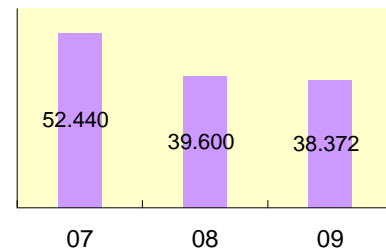
Chemical substances

09

Material balance of controlled substances FY2009



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

There is no item to report

Compliance

FY2009

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	1TM	60.00	60.00	2.00	4.00	2 Times/year
		2TM	60.00	60.00	5.00	5.00	2 Times/year
		3TM	60.00	60.00	1.50	3.00	2 Times/year
NOx	ppm	1TM	200.00	200.00	7.28	12.55	2 Times/year
		2TM	200.00	200.00	2.50	4.00	2 Times/year
		3TM	200.00	200.00	19.75	34.50	2 Times/year
Particulate	g/Nm ³	1TM	320.00	320.00	2.06	2.51	2 Times/year
		2TM	320.00	320.00	5.35	7.81	2 Times/year
		3TM	320.00	320.00	1.71	2.29	2 Times/year

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	Waste water treatment	120.00	120.00	48.53	90.70	1Time/Month
BOD	mg/l	Waste water treatment	20.00	20.00	5.05	9.70	1Time/Month
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 Outside Factory	70.00	70.00	62.36	74.60	1 Time/year
		NT Outside Factory	70.00	70.00	58.14	63.80	1 Time/year
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

บริษัท พานาโซนิค อีเล็กทริค เวิร์คส์ สตีล (ประเทศไทย) จำกัด 21/4 หมู่ 2 ถนนสุขุมวิท แขวงคลองเตยเหนือ เขตวัฒนา กรุงเทพมหานคร 10110
Panasonic Electric Works Steel (Thailand) Co., Ltd. 114/300 2 Pochasawaningrai Rd., Bangyaprak, Phrasarang, Samyathani, 10130, Thailand
 Tel : 0-2384-8038 (Auto Fax) : 0-2384-2752, 0-2384-2778

PEWSLTH Environmental Policy in 2009

In order to environmental management system of Panasonic Electric Works Steel (Thailand) Co.,Ltd. according to [Environmental Manual (SEMA-01) : Environmental Policy (4.2)] , then issue the Main Policy in 2009 (04/09 ~ 03/10) for use in work management as follows .

Environmental Policy in 2009

We pursue a policy of "Creating Value for a New Lifestyle" that will balance both environmental consciousness and improved quality of living.

We endeavors to provide products and services that raise the quality of living and lessen environment impacts in all processes related to the product lifecycle. To this end, the activities of PEW Group shall be directed toward the realization of a society in which sustainable development is attainable as it strives to improve its corporate-wide environmental management system.

1. We will set and promote environmental targets and objectives that give concrete form to its Environmental Policy.
2. We will pay strict observance to environmental laws and ordinances and to environmental practice agreed with partner organizations.
3. We will engage in environmental education and awareness activities.
4. We will contribute to society by lending cooperation and support to the environmental activities of local and central government and other partner organizations.
5. We will be committed to disclosing information on environmental matters.
6. We will campaign to promote all section recognize the importance of all forms of energy to maximize efficiency , without causing the defect of environment.

Hereby, respected persons of every sections implement successfully as above issued policy.

Announce on Apr. 01 , 2009



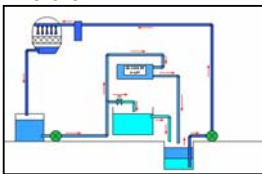
(MR. MASAHIKO UEDA)

President

Aiming to reduction of environmental impact



Before



Water supply pump control by VSD (50M3 PIT

Keep Pressure Setting 0.35mPa (3.5bar or 3.57kg)

Calculate:Consumption control by inverter

Running 2 Line 35 KW 5600 kWh

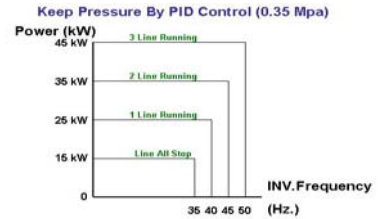
Running 1 Line 25 KW 4000 kWh

12000kWh

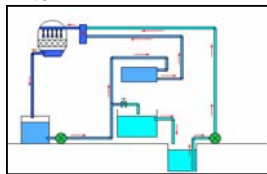
Running 0 Line 15 KW 2400kWh

Target 5 % now about 40 % Reduce

Energy Saving 21600 - 12000 = 9600kWh / Month about 57(t)CO2 / Year



After



Reduce energy from oil cooler system

new piping save energy from oil cooler system 100%
9580.5kWh/monthX3.1 = 29,698 baht/month about
62(t)CO2 / Year

Environmental Communication



Global warming

Panasonic promises with collective wisdom,Reduction of CO₂ emissions
by 300,000 tons(FY2009 compared to FY2006)
Every employee in company



CO₂ Training

CO₂ reduction technical training in Asia Pacific region



Promoting hazardous chemical substances using label an information on conformance to non-use must be posted

- Cadmium,Lead,Mercury,Specified bro mine-based flame-retardants,Hexavalent chromium,ink

Emergency preparedness and response

About our concept and training plan

Every employee in company must be Emergency Preparedness and Response Training once a year on the end of a year.

Our company must be prevention environmental impac.



Case of a training

1. Fire Fighting
2. Fire Evacuate Praticce