

**Panasonic Electric Works Europe AG, German Factory**

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

**Panasonic Electric Works Czech s.r.o.**

Address	PEWEU-GF, Am Temmelacker 2, 85276 Pfaffenhofen, Germany ; PEWCZ, Prumyslova 1, 348 15 Plana, Czech Republic				
Lot area	69797m <sup>2</sup>	Total floor area	13777m <sup>2</sup>		
Establishment day	1974/5	Employees	300persons		
ISO14001 certification date	1998/10	ISO14001 renewed	2006/8		
Major Products	Relay, Switches(customized), Lightning (Lux Lift),				
Environmental Communication	FY2009				
Information disclosure	1items	visitors on factory tour	0persons		collaboration with municipality
Contact	QM			TEL: #49 8441 754 170	

**Message from Compliance Administrator**

The sites at Pfaffenhofen (Germany) and Plana (Czech) are the European locations for production of relays. Even though the potential risk to environment by our productions is very small, our efforts to minimize harmful influences exceeding the very severe laws for protection of the environment in Central Europe. We are permanently looking for possibilities to reduce energy consumption and the amount of waste. The substitution of hazardous substances by harmless substances is a matter of course.



Compliance Administrators

F. Iser / L. Cerny

**Main activities in FY2009**

Target	Result
Installation of a Solar power station at PEWCZ	Since August 2008 more than 2500 kWh were produced monthly
Change to supplier of electricity with higher share of eco power	Reduction of emissions from 0,304 to app. 0,254 kg/CO2/kWh since January 2009
Construction of a new building at PEWCZ with cogeneration	Start up of cogeneration is planned for October 2009

**Products of Environmentally-conscious information**



**Product**

SFN4D - Relay

**Point of environmentally-conscious**

With our latest generation of Safety-Relay we could reduce the energy consumption more than 20%. (Reduction from 500mW to 390mW).

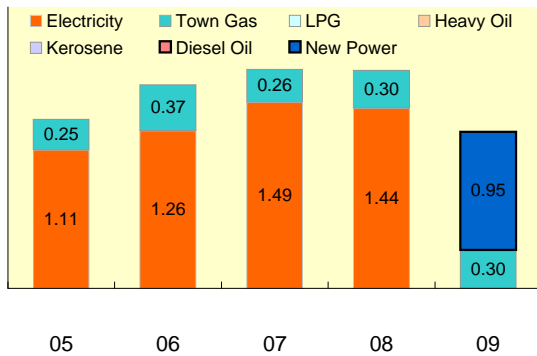
The next generation - SFY-Relay - which is under design, will be even efficient.

**Environmental performance data**

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

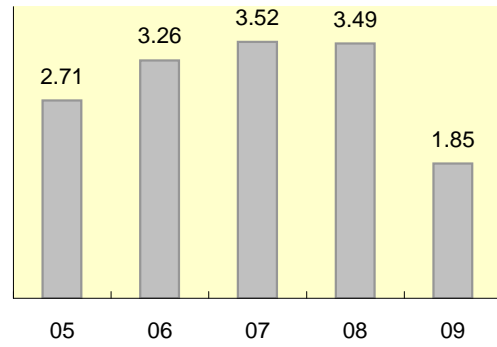
**Energy**

Unit: 1000kl



**CO2 Emission**

Unit: 1000t-CO2



Natural Energy

FY2009

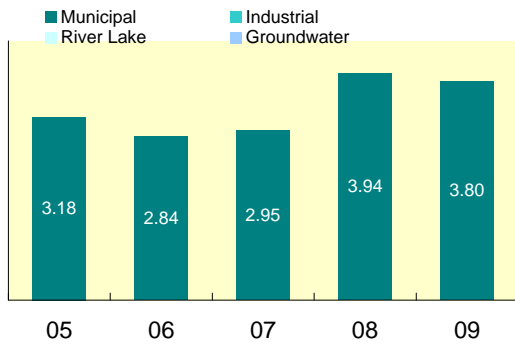
Solar Energy 8.75 1000kW/h

Calculation standards

CO2 emission = (Amount of electric power use in kwh x 0.5179 kgCO2/kwh )  
+ (Amount of Town Gas use in kwh x 2.290 kgCO2/m3)  
+ (Amount of Purchased Power(New Power) use in kwh x 0.339 kgCO2/m3)

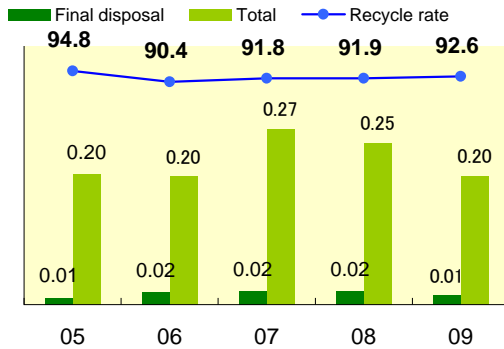
**Water**

Unit: 1000m<sup>3</sup>



**Waste**

Unit: 1000t, %

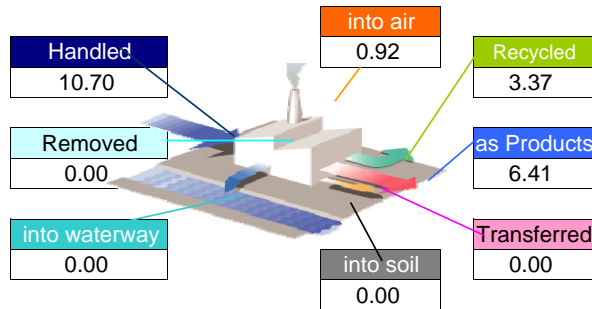


**Chemical substances**

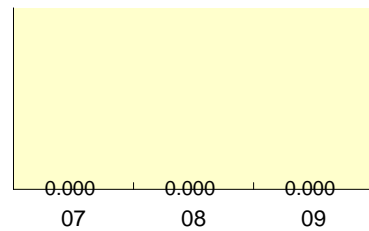
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Material balance of controlled substances

FY2009



Key target reduction substances



About The Panasonic Group's Chemical Substances Management in Factories  
[http://panasonic.net/eco/factory/chemical\\_substance/](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 <sup>3</sup> /h	N/A					
NOx	ppm	N/A					
Particulate	g/Nm <sup>3</sup>	N/A					

**<Water pollutant measurement results>**

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
COD	mg/l	N/A					
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	N/A					
		NT	N/A					
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 Electric Works Europe AG has the consciousness about the responsibility to the environment.

The production and its processes beside will be improved permanently in an economic justifiable scope to reduce negative influences to the environment.

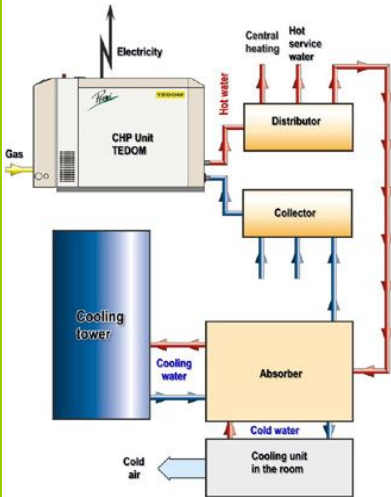
All staff, subcontractors, suppliers, customers and interested circles are involved in our efforts.

On demand our environmental policy is accessible for everybody.

We will be in compliance with all laws, regulations and other requirements according to environment.

We endeavor to reach our environmental targets as much as possible and develop them permanently.

### Aiming to reduction of environmental impact



### Cogeneration

The installed cogeneration can produce 199kW heat, 160kW electricity and has a absorption cooling unit.  
With a minimum of gaz consumption heat, electricity and cold will be produced.

### Environmental Communication

Our environmental figures are opened regularly once every year with our companies site report and on demand.

### Emergency preparedness and response

#### About our concept and training plan

In Germany and Czech the rules due to emergency preparedness are very strong. Each employee must be trained once per year. The evidence of the training is controlled by the authorities. In Czech the training is held up by a special outside company.

Additional the reaction of the employee in case of alarm is verified during the frequent inspections of the alarm system.