

Address	Jl. Surya Lestari Kav. I -16B, Suryacipta City of Industry, Kutamekar, Ciampel, Karawang 41361, Jawa Barat		
Lot area	100000m ²	Total floor area	30399m ²
Establishment day	1997/11	Employees	2579persons
ISO 14001 certification date	1999/5	ISO14001 renewed	2008/7
Major Products	Car audio, home audio, video drum		
Environmental Communication FY2009			
Information disclosure	17items	visitors on factory tour	25persons
Contact	Personnel and General Affairs		collaboration with municipality 0items
			TEL: +62-267-440520 ext. 1301



Message from Compliance Administrator

From Waste Disposal to Waste Recovery

At present, we use permanent safe landfill system provided by waste management company, to dispose our hazardous waste. In next term, we consider to process our hazardous waste using resources co-processing provided by cement industries. Co-processing of waste in cement kilns is widely known as a resource recovery system, a preferred alternative to landfilling and chemical neutralization in the waste management hierarchy. By incorporating the energy potential and mineral components of wastes into the cement product, the waste are totally destroyed.

Co-processing waste in the cement kiln offers environmental advantages such as maximum efficiency in the recovery of energy from waste and zero waste residue from combustion (total incorporation of ash into clinker product). It is cheaper than landfilling cost, as well.



Compliance Administrator
Agus Prasetyo

Main activities in FY2009

1. Environmental Programs

Target	Result
Reduce 10% of CO ₂ emission / unit product in FY2001 - FY2010 Energy consumption 1.83 kgCO₂/unit	We reduce energy consumption by setting personal computers to automatic standby mode during breaktimes, establishing rules that employees have to turn off lights in meeting rooms and working area when not used, installation of additional Programmable Logic Controllers (PLC) to air conditioners, and intallation of load-sharing system UPS for power distribution in SMT lines. We achieved this term's target with result 1.74 kgCO ₂ /unit product.
Reduce 20% of water consumption / unit product in FY2001 - FY2010 Water consumption	We continue our water saving campaign to enhance employees' awareness to use water efficiently. We put posters in toilets and canteen area, requiring employees to use water efficiently, turning off water taps properly after use, promptly report water leakage to incharge section to fix it, control water usage for washing company cars. However, we have not achieved the target yet. Water consumption in this term was 17.70 liter/unit product
Reduce 20% of waste generation / unit product in FY2001 - FY2010 Waste generation 0.042 kg/unit product	We continue to use both side of papers, using emails for paperless communication and reporting, reduce PWB waste for new model in FY 2009 by changing layout design to minimize un-used area. We conduct measure to optimize usage of chemical such as bond in Insertion Machine process by changing stencil thickness, modifying squeegee with additional stopper and deleting useless stencil hole. We also control usage of rubber fingercots. We achieved this term's target with 0.035 kg/unit product.

2. Planting Trees Around the Factory

We have planted trees around the factory buildings, including fruit trees. In this term, we planted more than 100 coconut trees, and 50 red mahogany trees in the empty land at the backside of our factory.



Products of Environmentally-conscious information



KS-BTA200

Packaging made from paper instead of styrofoam is used for this bluetooth adapter.

ALL CAR AUDIO PRODUCTS

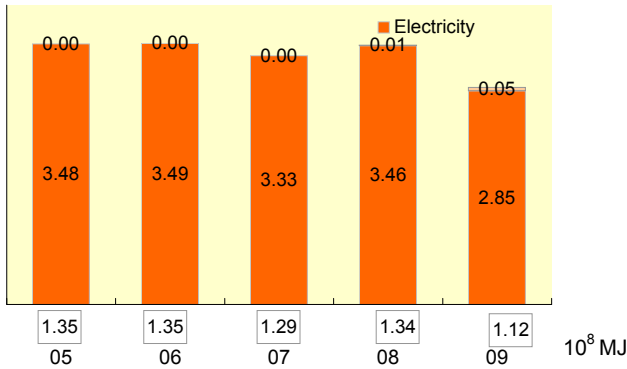
Thickness of mounting sleeves made from metal in our car audio products are reduced to save usage of natural resources.

All of our products comply with REACH, the European Community Regulation on chemical and their safe use.

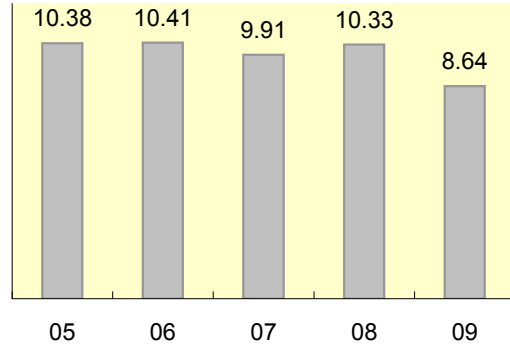
Environmental performance data

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

Energy (crude oil Equivalent) Unit: 1000kl

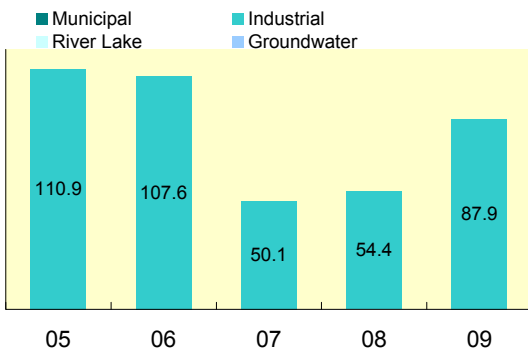


CO2 Emission Unit: 1000t-CO2

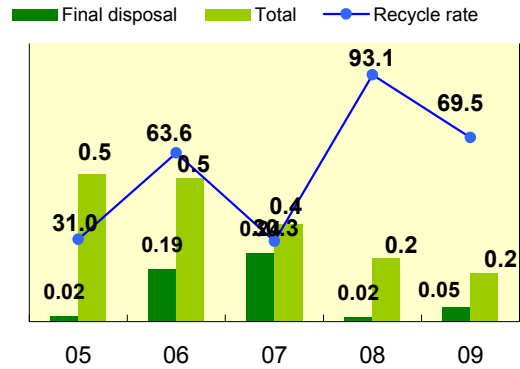


Electricity CO2 emission coefficients 0.79

Water Unit: 1000m³



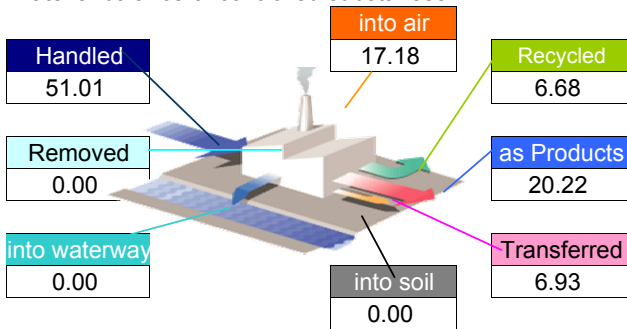
Waste Unit: 1000t, %



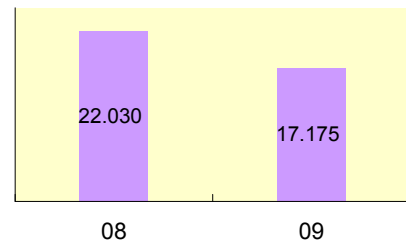
Chemical substances

Unit: t

Material balance of controlled substances



Key target reduction substances



About the above data

Key target reduction substances : JVC selected about 60 substances from Japanese legal, PRTR, VOC, GHG.

Compliance FY2008

<Air pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
SOx	Nm ³ /h	Solder dross	800(mg/m3)			0.08 (mg/m3)	six monthly
		Soldering Machine	800(mg/m3)			0.04 (mg/m3)	six monthly
		Reflow Machine	800(mg/m3)			0.03 (mg/m3)	six monthly
NOx	ppm	Solder dross	1000(mg/m3)			0.11 (mg/m3)	six monthly
		Soldering Machine	1000(mg/m3)			0.10 (mg/m3)	six monthly
		Reflow Machine	1000(mg/m3)			0.08 (mg/m3)	six monthly
Particulate	g/Nm ³	Solder dross	350(mg/m3)			16.30 (mg/m3)	six monthly
		Soldering Machine	350(mg/m3)			<0.83 (mg/m3)	six monthly
		Reflow Machine	350(mg/m3)			<0.83 (mg/m3)	six monthly

<Water pollutant measurement results>

	Unit	Facility name	Legal limit	Voluntary limit	Average meas	Maximum measured	Measuring frequency
COD	mg/l	Oil separator	900 (mg/L)			33.86	six monthly
		Waste Water point 1	900 (mg/L)			59.75	six monthly
		Waste Water point 2	900 (mg/L)			79.67	six monthly
BOD	mg/l	Oil separator	600 (mg/L)			0.95	six monthly
		Waste Water point 1	600 (mg/L)			0.82	six monthly
		Waste Water point 2	600 (mg/L)			0.51	six monthly
Nitrogen	mg/l						
Phosphorus	mg/l						

<Noise and vibration>

	Unit	Measurement Area	Legal limit	Voluntary limit	Average measured	Maximum measured	Measuring frequency
Noise	dB	DT Audio Production	85.00		78.60	91.20	six monthly
		NT			0.00		
Vibration	dB	DT			0.00		
		NT			0.00		

*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

No environmental measuring result exceeded legal limit value

Improvement of direction by government, or point outs by neighbor

Countermeasure	
There is no item to report.	

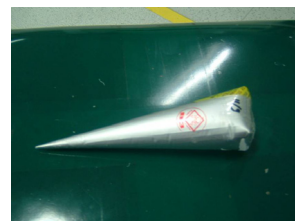
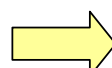
Environmental Policy**ENVIRONMENTAL CONSERVATION :**

1. JEIN is committed to comply with applicable environmental legal and other requirements.
2. JEIN is committed to identify environmental aspects of our activities, products, services, to reduce the aspects and prevent pollution through continual improvements.
3. JEIN is committed to use environmental resources effectively by conserving energy, resources, and reducing waste.

Aiming to reduction of environmental impact

Our activities in the next term includes the followings

1. Install automatic fan controllers in air conditioners at restroom.
2. Move switch for lamps outside part storage, from inside to the outside of the factory building. Therefore, after the lamps are on during the night, security guards can turn off the lamps from outside in the morning during holidays.
3. Optimize usage of paper roll in Insertion Machine department to reduce waste.
4. Optimize usage of bond in PCB department by squeezing bond to minimize leftovers.
5. Continue to enhance employee's awareness to use water efficiently.
6. Change type of water tap to reduce water consumption.

**Environmental Communication****Enhancing knowledge of visitor about environmental policy and environmental rules of JEIN.**

We printed our environmental policy and environmental rules on Visiting Pass card for guests and vendors, to inform our environmental commitments and regulations for vendor during their visit in our company. Visiting Pass card is given to guests and vendors upon their arrival in JEIN

Emergency preparedness and response**Trainings to Enhance Emergency Preparedness and Response**

1. In December 2008, we have performed fire evacuation drill, and improved our emergency preparedness and response procedure, and purchase additional communication devices to be used by controllers during emergency situation.
2. In November 2008, we have conducted training for First Aid team, provided by a trained doctor.
3. In January 2009, we have conducted training for Fire Fighter team.