Priority Environmental Targets and Results

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(Year ended / ending March 31)

	2008 Priority Environmental Targets	2008 Results	2009 Priority Environmental Targets	ER
JFE Steel	**Promote measures to prevent global warming** • Promote measures to prevent global warming based on Japan Iron and Steel Federation's Voluntary Action Program (Achieve a 10% reduction in energy consumption amount during the period from the year ending March 2009 to the year ending March 2013, compared to the year ended March 1991 level, and another 1.5% reduction (additional target) through effective usage of waste plastics, etc.)	• Approximate 19% reduction of energy consumption in basic unit compared to year ended March 1991 • CDM implementation (The Philippines: approved by the UN in May 2007) • Commenced shaft furnace construction • Approved CDQ addition plan • Regenerative burner addition • Oxygen plant efficiency upgrade	**Promote measures to prevent global warming** • Promoting measures to prevent global warming in line with the Voluntary Action Program of the Japan Iron and Steel Federation (JISF) (Compared to 1990, we plan to achieve a 10% decrease in energy consumption for the period from the year ending in March 2009 to 2013)	3-10
	Promote byproduct recycling • Continuously look at developing and applying technologies for recycling dust and slag • Reduce landfill of slag by 20%	• Introduced and currently constructing dezincing and recycling equipment for dust containing zinc to the Fukuyama region • Implementing modifications and equipment upgrades to Kurashiki region combustion incinerators and roasting furnaces for recycling oil sludge • Oil sludge recycled: 5,000 tons (20% decrease in sludge landfill)	**Promote byproduct recycling** • Continue development of recycling technology for dust and sludge and implementation of actual equipment Improve waste material management • Enact a group-wide waste material collection system • Introduce electronic manifest group-wide Over 80% computerization	23, 25-26
	Continuously strive to reduce environmental risks • Comply with new regulations • Promote voluntary environmental conservation activities	• Complied with new laws and regulations Reinforcement and new installation of wastewater treatment equipment • Promoted voluntary environmental conservation activities Reinforcement of surveillance sensors Continued independent control for VOC reduction	**Continuously strive to reduce environmental risk** • Comply with new regulations • Promote voluntary environmental conservation activities	21-24
JFE Engineering	**Promote energy-saving activities in production divisions** Tsurumi Engineering & Manufacturing Center: 11% reduction compared to the year ended March 1998 level Shimizu Works: 17% reduction compared to the year ended March 1998 level Tsu Works: 11% reduction compared to the year ended March 1998 level At Tsurumi, the target is calculated based on electricity usage per hour of operation At Shimizu and Tsu, the target is calculated based on electricity usage per unit volume of production	• Tsurumi and Shimizu met targets, Tsu did not Tsurumi Engineering and Manufacturing Center: achieved a reduction of 11% compared to the year ended March 1998 Shimizu Works: achieved a reduction of 37% compared to the year ended March 1998 Tsu Works: generated an increase of 17% compared to the year ended March 1998	**Promote energy-saving activities in production divisions** Tsurumi Engineering and Manufacturing Center: achieves a reduction of 12% compared to the year ended March 1998 Shimizu Works: achieves a reduction of 40% compared to the year ended March 1998 Tsu Works: limit the increase to a maximum of 15% compared to the year ended March 1998 *An increase compared to year ended March 1998 is anticipated for Tsu Works due to an increased usage of high current welding machinery	27
	Promote reduction of construction site waste • Reduce final disposal rate to 35% or less in three years ended March 2008 Note: Final disposal rate = {total waste volume - (volume recycled + volume reduced)} / total waste volume	• Achieved target with a final disposal rate of 19.0% for the year ended March 2008 (Generated 2,020 tons)	**Promote reduction of construction site waste** • A recycle rate of over 73%	28
	Promote resource-saving and environmentally friendly office activities • 6% increase in green procurement rate of office supplies compared to the year ended March 2005 level	• Tsurumi, Shimizu, and Tsu did not meet targets The following results were caused by an inability to purchase copy paper under green purchasing standards due to the incident concerning false labeling of recycled paper Tsurumi Engineering and Manufacturing Center : 4.0% increase Shimizu Works: 13.1% decrease Tsu Works: 4.1% decrease	**Promote resource-saving and environmentally friendly office activities** • Percentage of money used for green purchasing of office supplies Tsurumi Engineering and manufacturing Center: over 75% Shimizu Works: over 90% Tsu Works: over 93%	28
Kawasaki Microelectronics	**Promote measures to prevent global warming** • Energy saving rate: 1% or higher • Complete alternatives for C2F6 and commence specific reduction measures aiming at 10% reduction of PFC*1 emissions compared to the year ended March 1996 level	• Achieved a 2.3% energy conservation rate • Plans to completely substitute alternatives for C2F6 (PFC gas) and begin reduction of emissions were put on hold due to a suspension of the supply of alternative gases	**Promote measures to prevent global warming** • Achieve more than 1% energy saving rate • Complete new C2F6 gas substitute experiments and will begin reductions in early 2009	29
	Reduce consumption of chemical substances • Reduce consumption of the notification substance	• Accomplished an additional decrease in the usage amount of our sole substance targeted for notification (hydrogen fluoride and its water-soluble salts)	**Reduce consumption of chemical substances** • Reduce usage amount of notification substances • Reduce the amount of types of substances used	29
	Reduce industrial waste • Reduce wastewater treatment-origin dehydrated sludge by 10%	• Achieved a reduction of over 10% for dehydrated sludge	**Reduce industrial waste** • Achieve recycling rate of over 50% for the dehydrated sludge from wastewater treatment	29

*1 PFC: Perfluorocarbon

ER:Page of Environmental Sustainability Report
Please access our website:
http://www.jfe-holdings.co.jp/environment/index.html