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# Data collection of Environmental Report in fiscal year 2009

- ➤ Acquisition of ISO 14001 Certification
- > Fiscal 2009 Audit Results
- > Hino Motors' Business Activities and Their Environmental Impact in Fiscal 2009
- ➤ Participants in Environment-Related Educational Programs in Fiscal 2010
- ➤ Environmental Conservation Costs
- ➤ Environmental Conservation Costs ( (1) Economic results / (2) Reductions from distribution)
- Major Environmental Performance Trends in Fiscal 2009

  (Total CO₂ emissions and basic units ∕ Emission volume ∕ Total amount of packaging material usage Emissions of substances subject to the Pollutant Release and Transfer Register Law of Japan ∕ Volatile organic compound (VOC) emissions from the Hamura Plant)

  Measured trichloroethylene levels in drinking water

   Major Environmental Performance Trends in Fiscal 2009

  (Total CO₂ emissions and basic units ∕ Emission volume ∕ Total amount of packaging material usage Emissions of substances subject to the Pollutant Release and Transfer Register Law of Japan ∕ Volatile organic compound (VOC) emissions from the Hamura Plant)

  Measured trichloroethylene levels in drinking water

   Major Environmental Performance Trends in Fiscal 2009

  | Major Environmental Performance Trends in Fiscal 20
- Acquisition of ISO and EMD Certification by Hino Motors Group
- > FY2009 Major Environmental Data of Hino Motors Group Production Facility

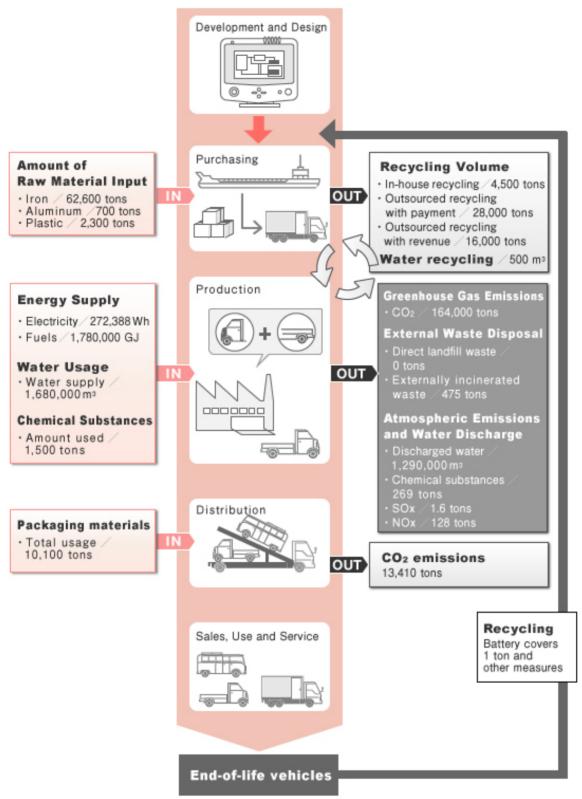
#### ■Acquisition of ISO 14001 Certification

Organization/Entity	Function	Date of acquisition
Headquarters & Hino Plant	Manufacturing, product development, production engineering, headquarters and overseas operations*	March 24, 2001 *Overseas operations transferred from the Tamachi Office to headquarters on May 19, 2006
Hamura Plant	Manufacturing	March 10, 1999
Nitta Plant	Manufacturing	March 27, 2000
Oume Parts Center	Parts distribution	January 11, 2002
Hidaka Delivery Center	Vehicle distribution	January 11, 2002
Tamachi Office	Domestic operations	April 25, 2003

### ■Fiscal 2009 Audit Results

(Unit: Number of instances)

Office/Entity	Type of Audit	Major Non-Conformance	Minor Non-Conformance	Observations
Headquarters & Hino Plant	Renewal audit	0	0	3
Hamura Plant	Surveillance	0	0	1
Nitta Plant	Surveillance	0	0	4
Oume Parts Center/ Hidaka Delivery Center	Surveillance	0	1	3
Tamachi Office	Surveillance	0	0	3



### ■Participants in Environment-Related Educational Programs in Fiscal 2009

Program	Number of participants
New employee introductory training	438
Manager training	138
Newly appointed manager training	58

#### **■**Environmental Conservation Costs

Unit: millions of ven (- indicates less than one million ven

_	Uni				: millions of yen	(- indicates	s less than one m	illion yen)
	Environmental Conservation Costs		FY2009 Results		FY2008 Results		Difference between years	
	Item	Description of major initiatives	Investments	Costs	Investments	Costs	Investments	Costs

(1)	Costs in operational areas		42	536	137	707	-95	-171
	① Pollution prevention costs	Costs for theprevention of air, water, and other pollution	35	270	106	374	-71	-104
	② Global environmental conservation costs	Costs of energy conservation facilities and global environmental conservation	7	1	31	7	-24	-7
	③ Resource recycling Costs	Costs of resource recycling waste treatment, etc.	0	265	0	326	0	-61
	Upstream and wnstream costs		0	98	0	112	0	-14
(3)	Management activity costs	Costs for monitoring and measuring environmental load	0	409	0	418	0	-9
	Research & velopment sts		0	22,621	0	22,221	0	400
(5) cos	Social activity		0	0	0	4	0	-4
	Environmental nediation sts		0	0	0	0	0	0
To	tal		42	23,665	137	23,463	-95	202
_								

Results of Environmental Conservation

### (1) Economic results

Unit: millions of yen (- indicates less than one million yen)

	Details of results	FY2009	FY2008
Profits	Operational income from recycling	739	1,338
Reduced costs	Reduction in energy costs due to energy conservation Reduction in waste treatment costs due to resource conservation and recycling	9	1
	Total	749	1,339

# (2) Quantitative results

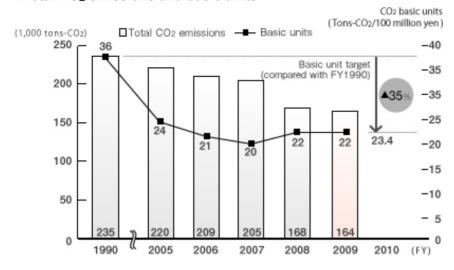
Item	FY2010	FY2009
CO <sub>2</sub> reduction (tons-CO <sub>2</sub> )	1,499	192
Waste reduction (tons)	4,269	-

Note:

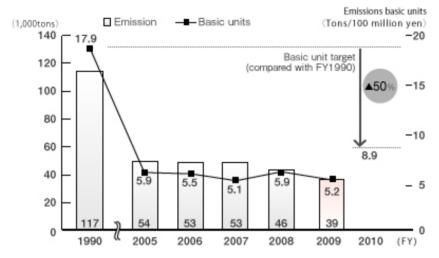
The results of environmental conservation are calculated only for those items that can be definitely identified as having an effect over a single year.

The improved effectiveness in reducing waste was the result of progress made in activities to save resources and more advanced methods for determining total effects.

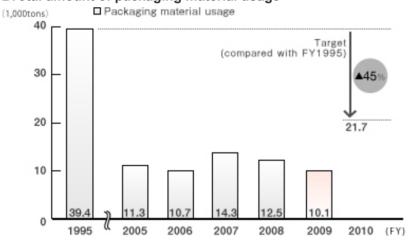
### ■Total CO<sub>2</sub> emissions and basic units



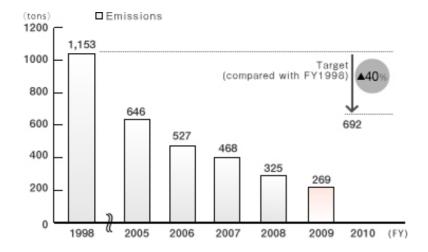
#### **■**Emission volume



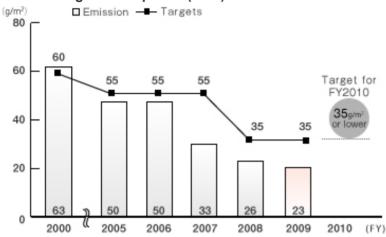
### ■Total amount of packaging material usage



■ Emissions of substances subject to the Pollutant Release and Transfer Register Law of Japan



### ■Volatile organic compound (VOC) emissions from the Hamura Plant



### ■Measured trichloroethylene levels in drinking water

(Environmental limits: 0.03 mg/l)

Location	FY2009 level
Headquarters and the Hino Plant	ND~0.083*
Hamura Plant	ND~0.181*
Nitta Plant	ND~0.0006

Note: Ongoing purification measures are in progress.

■Environmental Activities at Plants and Data based on Environment-Related Laws and Regulations

### **Headquarters / Hino Plant**

Acquisition of ISO 14001certification: March 24, 2001







### Headquarters and Hino Plant overview

Address	1-1, Hinodai 3-chome, Hino-shi, Tokyo
Major products	Heavy-duty trucks (Hino Profia) Medium-duty trucks (Hino Ranger)
Employees	5,700
Site area	447,081 m <sup>2</sup>
Total floor space	405,977 m <sup>2</sup>

#### **Environmental Policies**

- 1. Harmonious coexistence with society and the environment
- 2. Continuous improvements and prevention of environmental pollution
- 3. Compliance with laws and regulations
- 4. Mottainai mindset is the basis for all activities
- 5. Enhancement of individual environmental awareness

# Through Each Plant Hino Motors Strives to Manufacture Quality Vehicles and Support Transportation that Is Friendly to the Earth and People

At our Headquarters & Hino Plant, we are actively establishing varied and diverse targets that set the direction for our environmental initiatives. In diligently working to achieve these goals, Hino Motors is endeavoring to minimize the environmental load created by both production and distribution processes. Based on these activities, we recognize that continuing efforts to supply products with leading environmental performance to society lie at the heart of our corporate social responsibility. As a result, we constantly review and work to lower the environmental load of every function of our business from development to purchasing, production, preparation, and office management. In this manner, our ultimate goal is to harmoniously coexist with the global environment. Furthermore, in addition to the *mottainai* mindset held by each employee, which in Japanese conveys an attitude of preventing waste, we make efforts to eliminate muda, mura, and muri (unprofitable, unsteady and unreasonable, respectively) in our energy-saving and resource-saving activities while at the same time engaging in activities aimed at protecting the natural environment.

Located in close proximity to a residential area, Hino Plant makes every effort not to disturb or comprise the lives of its neighbors. As a result, we strictly adhere to measures that minimize noise, vibration, and odor. Looking ahead, we will continue to manufacture quality vehicles and support transportation that is friendly to the earth and people.

#### ■Award Record

FY2003	Winner of the Highest Award presented by the Chairperson of the Electric Safety Kanto Committee
FY2005	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2006	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2007	Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2008	Winner of the Highest Award for Electric Safety and Electricity Usage Rationalization Committee
FY2008	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
FY2008	Winner of the Chairperson's Award presented by the High Pressure Gas Safety Institute of Japan
FY2009	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee

#### ■Data Based on Environment-Related Laws and Regulations

### Water Quality (Water Pollution Control Law and Prefectural Ordinances)

Effluent water quality analysis (river channel and discharge site: Tama River via Yaji River)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m³/day)	-	4,301	364	1,756
рН	5.8~8.6	7.5	7.0	7.2
BOD (mg/l)	20	1.5	0.6	1.0
COD (mg/l)	-	11.0	5.2	7.5
SS (mg/l)	40	3.0	1.0	1.5
N-hexane (mg/l)	5	ND	ND	ND
Total phosphorous (mg/l)	2	1.1	0.2	0.6
Total nitrogen (mg/l)	20	14.7	5.1	10.3
Zinc content (mg/l)	2	0.09	0.05	0.07
Fluorine compounds (g/l)	8	0.2	0.16	0.18

ND: Not Detected (Less than the minimum determined limit)

### ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Boilers (processed natural gas)	NOx(ppm)	-	48	24	35
	Soot and dust (g/Nm <sup>3</sup> )	-	0.001	ND	0.001
Con corburizing furnoce #1	NOx(ppm)	180	128	112	120
Gas carburizing furnace #1 (processed natural gas)	Soot and dust (g/Nm <sup>3</sup> )	0.2	0.002	ND	0.001

ND: Not Detected (Less than the minimum determined limit)

### **■**Chemical Substances (PRTR Law)

(Unit: tons/year)

Cabinet	Class I Designated	Values		ume arged		ume ferred	Volume	Volume	Values
Order No.	Chemical Substances	Volume handled	Air	Water	Waste	Public sewer system	recycled	removed/ disposed	Volume consumed
1	Water-soluble zinc compound	2.1	0.0	0.0	0.6	0.0	0.0	0.0	1.5
30	Bisphenol A-type epoxy resin (liquid)	1.4	0.0	0.0	0.1	0.0	0.0	0.0	1.3
40	Ethylbenzene	11.6	6.9	0.0	0.1	0.0	1.5	1.9	1.2
43	Ethylene glycol	261.5	0.0	0.0	4.2	0.0	0.0	0.0	257.4
63	Xylene	34.2	18.1	0.0	0.1	0.0	3.6	7.1	5.4
117	Styrene	6.5	0.5	0.0	0.0	0.0	0.0	0.0	6.0
224	1,3,5- trimethylbenzene	5.1	3.1	0.0	0.0	0.0	1.9	0.0	0.0
227	Toluene	20.2	6.2	0.0	0.0	0.0	0.0	5.0	8.9
299	Benzene	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
311	Manganese and its compounds	1.7	0.0	0.0	0.6	0.0	0.0	0.0	1.1
	Total	344.9	34.8	0.0	5.7	0.0	7.0	14.0	283.4

- Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances)
- Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method
- Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

### Bases in Japan Hamura Plant

Acquisition of ISO 14001 certification: March 10, 1999







#### Plant overview

Address	3-1-1 Midorigaoka, Hamura-shi, Tokyo
Major products	Light-duty trucks (Hino Dutro, Dyna, Toyoace, Land Cruiser Prado, and FJ Cruiser)
Employees	3,300
Site area	750,770 m <sup>2</sup>
Total floor space	384,740 m <sup>2</sup>

#### **Environmental Policies**

- 1. Compliance with laws and regulations
- 2. Preventive measures through continuous improvements and prevention of pollution
- 3. Promotion of energy saving, resource saving, and reduction of waste
- 4. Harmonious relations with local communities

### Striving to Be a Safe and Reliable Plant that Makes Vehicles that People Value

All activities at the Hamura Plant are based on the three top priorities of the environment, safety, and quality. We also consider various aspects of environmental protection in our improvement initiatives. All employees hold high aspirations for the plant to protect and sustain the environment, as they work to reduce CO<sub>2</sub> emissions, which contributes to curbing global warning, in line with regulatory targets. Furthermore, to fulfill its social responsibilities to global society as a good corporate citizen and deepen the trust it has earned from the local community, the Hamura Plant strives to be a safe and reliable plant that makes vehicles that people value.

### ■Award Record

October 2004	Winner of the Chairperson's Award presented by the High Pressure Gas Safety Institute of Japan
February 2005	Winner of the Director-General's Award presented by the Natural Resources and Energy Agency
November 2005	Winner of the Prevention Manager's Award presented by the Tokyo Fire Department
February 2006	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
July 2006	Winner of the Champion's Award presented by the Firefighting Training Board
February 2007	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
February 2008	Winner of the Highest Award presented by the Kanto Region Electricity Usage Rationalization Committee
February 2008	Winner of the Chairperson's Award presented by the Energy Conservation Center
February 2009	Winner of the Ministry of Economy, Trade and Industry Minister's Award for Excellence in Plant Energy Management

### ■Data Based on Environment-Related Laws and Regulations

### Water Quality (Sewerage Law) and Effluent Water Quality Analysis (Sewer Effluent)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m³/day)	-	3,563	14	1,404
рН	5.7~8.7	7.6	6.8	7.2
BOD (mg/l)	300	24	0.8	4.3
SS (mg/l)	300	16	1	3.5
N-hexane (mg/l)	5	3.2	ND	0.06
Total phosphorous (mg/l)	16	4.9	0.1	1.9
Total nitrogen (mg/l)	120	13.7	2.1	5.6
Zinc content (mg/l)	2	0.29	0.2	0.25
Fluorine compounds (mg/l)	8	0.93	0.19	0.56

### ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Cogonoration oguinment	NOx(ppm)	35	26	17	20
Cogeneration equipment (processed natural gas)	Soot and dust (g/Nm <sup>3</sup> )	0.05	35 26 17	ND	
Daving furnaces	NOx(ppm)	250	83	9	21
Drying furnaces (processed natural gas)	Soot and dust (g/Nm³)	0.2	250 83 9	0.006	

ND: Not Detected (Less than the minimum determined limit)

### **■**Chemical Substances (PRTR Law)

(Unit: tons/year)

	, ,							Offic. (Offis/year)	
Cabinet	Class I Designated	Volume		ume arged		ume ferred	Volume	Volume	Volume
Order No.	Chemical Substances	handled	Air	Water	Waste	Public sewer system	recycled	removed/ disposed	consumed
1	Water-soluble zinc compounds	6.9	0.0	0.0	2.0	0.1	0.0	0.0	4.9
16	2-aminoethanol	1.2	0.0	0.0	0.0	0.0	0.0	1.2	0.0
30	Bisphenol A epoxy resin (limited to its liquid form)	5.4	0.0	0.0	0.8	0.0	0.0	0.0	4.6
40	Ethylbenzene	42.6	27.5	0.0	0.2	0.0	2.0	1.7	11.1
43	Ethylene glycol	610.2	0.0	0.0	0.8	0.0	0.0	0.0	609.4
44	Ethylene glycol monoethyl ether	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0
63	Xylene	127.9	70.3	0.0	0.3	0.0	4.7	5.2	47.3
101	2-ethoxyethyl acetate	9.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0
224	1, 3, 5-trimethylb enzene	13.1	9.8	0.0	0.1	0.0	2.6	0.6	0.0
227	Toluene	138.0	53.9	0.0	0.1	0.0	0.0	2.0	82.0
232	Nickel compounds	1.2	0.0	0.0	0.7	0.0	0.0	0.0	0.4
299	Benzene	5.6	0.3	0.0	0.0	0.0	0.0	0.0	5.3
311	Manganese and its compounds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	977.6	179.5	0.0	5.8	0.1	9.3	10.7	771.9

- Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical Substances)
- · Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method
- Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

Acquisition of ISO 14001 certification:







#### Plant overview

March 27, 2000

Address	10-1 Nittahayakawa-cho, Ota-shi, Gunma Prefecture		
Major products  Medium- and light-duty truck engines, medium- and heavy-duty truck transmissions, and medium-duty truck axles			
Employees	1,400		
Site area	393,932 m <sup>2</sup>		
Total floor space	181,939 m <sup>2</sup>		

#### **Environmental Policies**

- 1. Harmony with the community and harmonious coexistence with the environment
- 2. Prevention of environmental pollution as the base for all operations
- 3. Compliance with laws and regulations
- 4. No waste and no wasteful use
- 5. Enhancement of each individual's environmental awareness

### Striving to Become a People-Friendly, Environment-Friendly, Clean Plant

At the Nitta Plant, located in a lush green setting, we have made the 3Ss (seiri, seiton and seisou, meaning well-organized, well-arranged and clean) as the basis for all plant activities. We are also promoting environmental conservation and improvement activities with a sustained awareness of environmental load based on the Nitta Plant Environment Policy.

By working to prevent environmental risks before they occur focusing particularly on upstream production activities, we are working to alleviate environmental risk. As a further initiative for reducing load of the environment, all plant personnel are aiming at higher goals for the prevention of global warming. At the same time, we will make efforts to maintain a clean plant that is accepted by the local community as friendly to people and the environment.

#### ■Award Record

FY1999	Winner of the Director's Award in the Electric Lighting category presented by the Kanto Bureau of
	International Trade and Industry

- FY2001 Winner of the Director's Award in the Heating category presented by the Kanto Bureau of Economy, Trade and Industry
- FY2002 Winner of the Director-General's Award (Electrical Division) presented by the Natural Resources and Energy Agency
- FY2003 Winner of the Energy Conservation Activity Excellent Group Award presented by the Kanto Bureau of Economy, Trade and Industry
- FY2004 Winner of the Director-General's Award (Heat Division) presented by the Agency for Natural Resources and Energy

#### ■Data Based on Environment-Related Laws and Regulations

Water Quality (Water Pollution Control Law, Prefectural Ordinances and Environmental Pollution Prevention Agreement with the Local Government)

Effluent water quality analysis (river channel and discharge site: Tone River via Hayakawa River)

Item	Regulatory limit	Max.	Min.	Avg.
Discharge volume (m³/day)	-	686	18	370
рН	6.0~8.0	7.7	7.3	7.5

BOD (mg/l)	10	1	0.6	0.9
SS (mg/l)	15	2.0	1.0	1.8
N-hexane (mg/l)	3	2.5	ND	1.0
Total phosphorous (mg/l)	60	0.1	0.05	0.09
Total nitrogen (mg/l)	120	10.4	5.2	8.1
Zinc content (mg/l)	1	0.2	0.03	0.12
Fluorine compounds (mg/l)	1.5	0.24	0.05	0.15

ND: Not Detected (Less than the minimum determined limit)

### ■Air Quality (Air Pollution Control Law and Prefectural Ordinances)

Equipment	Measured substance	Regulatory limit	Max.	Min.	Avg.
Continuous furmassa	NOx(ppm)	180	120	76	98
Continuous furnaces #1 (kerosene)	Soot and dust (g/Nm³)	0.1	0.012	0.003	0.008

# **■**Chemical Substances (PRTR Law)

(Unit: tons/year)

Cabinet	Class I Designated	Volume		Volume discharged		Volume transferred		Volume	Volume
Order Chemical No. Substances	handled	Air	Water	Waste	Public sewer system	Volume recycled	removed/ disposed	consumed	
1	Water-soluble zinc compounds	1.5	0.0	0.0	0.4	0.0	0.0	0.0	1.1
25	Antimony and its compounds	5.3	0.0	0.0	0.1	0.0	0.0	0.0	5.1
40	Ethylbenzene	10.1	9.6	0.0	0.0	0.0	0.0	0.0	0.5
43	Ethylene glycol	25.4	0.0	0.0	25.4	0.0	0.0	0.0	0.0
63	Xylene	21.2	15.2	0.0	0.1	0.0	0.0	0.0	5.8
68	Chromium & trivalent chromium compounds	51.8	0.0	0.0	1.0	0.0	0.0	0.0	50.8
224	1, 3, 5- trimethylbenzene	5.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0
227	Toluene	27.8	24.2	0.0	0.1	0.0	0.0	0.0	3.5
232	Nickel compounds	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.7
266	Phenol	8.1	0.0	0.0	0.0	0.0	0.0	8.1	0.0
311	Manganese and its compounds	14.4	0.0	0.0	0.7	0.0	0.0	0.0	13.7
346	Molybdenum and its compounds	16.6	0.0	0.0	0.1	0.0	0.0	0.0	16.5
	Total	188.6	54.6	0.0	28.0	0.0	0.0	8.1	97.7

<sup>•</sup> Applies to volumes handled equal to one ton or more (or 500 kg or more in the case of Specified Class I Designated Chemical

- Volume removed/disposed: Volume removed by incineration, decomposition or other treatment method
- Volume consumed: Volume converted to other substances by chemical reaction or incorporated in or appended to products and removed from the premises

### The Americas



### **Company Overview**

Company name	Hino Motors Manufacturing U.S.A., Inc.
Head office address	37777 Interchange Drive, Farmington Hills, MI 48335
Description of business	Manufacture of Hino Motors vehicles, sale of service parts, manufacture and sale of automobile parts and components, other

#### **Environmental Policies**

- 1. Reduce the negative impact on the environment
- Increase efforts with regard to pollution prevention and recycling activities
- 3. Ensure strict compliance with established rules and regulations
- 4. Promote continuous improvement

### ■Data Based on Environment-Related Laws and Regulations

CO <sub>2</sub> emissions	2,053 t-CO <sub>2</sub>
Incinerated waste	148 t
Direct landfill waste	25 t
Water usage	4,000m <sup>3</sup>

Note: Environmental policies and environment-related data are from the California Plant. Data from the company's two other plants are in the process of being collected for public disclosure.

### **Thailand**



### **Company Overview**

Company name	Hino Motors Manufacturing (Thailand) Ltd.		
Head office address	No. 99 Moo 3, Thepharak Road, Samrong Nua, Muang Samutprakarn, Samutprakarn Province, Thailand		
Description of business	Manufacture and sale of Hino Motors trucks and buses, manufacture and sale of automobile parts and components		

### **Environmental Policies**

- 1. Coexist in harmony with the global environment
- 2. Strengthen and manage the company's environmental pollution prevention structure and systems
- 3. Ensure strict compliance with laws, regulations and other environmental policies
- 4. Protect energy and natural resources

- 5. Ensure appropriate waste disposal and treatment
- 6. Promote employee awareness
- 7. Promote environmental policy disclosure

### ■Data Based on Environment-Related Laws and Regulations

CO <sub>2</sub> emissions	20,451 t-CO <sub>2</sub>
Incinerated waste	0 t
Direct landfill waste	1,178 t
Water usage	274,000 m <sup>3</sup>

### Indonesia



### **Company Overview**

Company name	PT. Hino Motors Manufacturing Indonesia
Head office address	Kawasan Industri Kota Bukit Indah Blok D1 No.1 Purwakarta 41181, Jawa Barat, Indonesia
Description of business	Manufacture and sale of Hino Motors trucks and buses

### **Environmental Policies**

- 1. Coexist harmoniously with the environment
- 2. Position prevention at the heart of all business activities
- 3. Ensure strict compliance with laws and other regulations
- 4. No waste and no wasteful use
- 5. Promote individual awareness

### ■Data Based on Environment-Related Laws and Regulations

CO <sub>2</sub> emissions	2,907 t-CO <sub>2</sub>
Incinerated waste	76 t
Direct landfill waste	0 t
Water usage	37,000 m <sup>3</sup>

### **Pakistan**



### **Company Overview**

Company name	Hinopak Motors Limited
Head office address	D-2, S.I.T.E. Manghopir Road Karachi-75700, Pakistan
Description of business	Manufacture and sale of Hino Motors trucks and buses, supply and sale of mounting superstructures and the import and sale of service parts

#### **Environmental Policies**

1. Promote the prevention of pollution and environmental load

#### reduction

- 2. Effectively use energy and other resources
- 3. Ensure strict compliance with environmental laws and regulations
- 4. Continuously improve environmental performance
- 5. Implement employee education and training

### ■Data Based on Environment-Related Laws and Regulations

CO <sub>2</sub> emissions	2,678 t-CO <sub>2</sub>
Incinerated waste	23 t
Direct landfill waste	0 t
Water usage	81,000 m <sup>3</sup>

### Shanghai, China



### **Company Overview**

Company name	Shanghai Hino Engine Co., Ltd.		
Head office address	179, Huancheng East Road, Fengxian District, Shanghai, China		
Description of business	Manufacture and sale of Hino Motors' brand engines		

### **Environmental Policies**

- 1. Comply with statutory and regulatory requirements
- 2. Take personal ownership and responsibility for environmental protection endeavors
- 3. Enhance the effective use of resources and energy as the means for eliminating waste
- 4. Raise employee awareness of environmental protection

### ■Data Based on Environment-Related Laws and Regulations

CO <sub>2</sub> emissions	1,847 t-CO <sub>2</sub>
Incinerated waste	75 t
Direct landfill waste	0 t
Water usage	28,000 m <sup>3</sup>

### ■Acquisition of ISO and EMD Certification by Hino Motors Group

Certification Status at the Hino Motors Group

Subject companies		FY2009 Performance		
		No. of subject companies	No. of ISO registered companies	No. of dealers with EMD certification at all facilities
Domestic	Affiliated companies	23	21	-
	Suppliers (excluding Toyota Motor Corporation suppliers)	540	344	-
	Dealers	42	5	30
Overseas	Affiliated companies	8	5	-

# ■Main environmental data for Hino Group plants in fiscal 2009

### **■**CO₂emissions

(Unit: thousands of tons of CO<sub>2</sub>)

	FY2007	FY2008	FY2009
Hino Motors	205	168	164
Domestic affiliated production companies	125	100	78
Overseas affiliated production companies	34	30	30

### ■Incinerated waste discharge

(Unit: tons)

	FY2007	FY2008	FY2009
Hino Motors	604	538	474
Domestic affiliated production companies	2,639	2,139	1,050
Overseas affiliated production companies	391	348	326

### **■**Direct landfill waste

(Unit: tons)

	FY2007	FY2008	FY2009
Hino Motors	0	5	0
Domestic affiliated production companies	4,534	3,822	223
Overseas affiliated production companies	1,755	1,583	1,206

# **■**Water usage

(Unit: thousands of m<sup>3</sup>)

	FY2007	FY2008	FY2009
Hino Motors	2,164	1,880	1,678
Domestic affiliated production companies	1,616	1,368	950
Overseas affiliated production companies	468	448	428