Fuji Heavy Industries Ltd.
2012 CSR Site Report

Utsunomiya Manufacturing Division

As of March 31, 2012

Main Plant (Aerospace Company)

Location	1-1-11, Younan, Utsunomiya City,Tochigi Prefecture 320-8564
Site Area	337,457㎡
Building Area	176,807㎡
Number of Employees	1,885
Main Products Manufactured	Aircraft, unmanned aircraft, space-related equipment

Main Plant (Eco Technologies Company)

Location	1-1-11, Younan, Utsunomiya City,Tochigi Prefecture 320-8564
Site Area	171,816㎡
Building Area	51,689㎡
Number of Employees	208
Main Products Manufactured	Refuse collection vehicles, wind-power generation systems, etc

South Plant
(Aerospace Company)

Location	1418 Kamiyokota Town, Utsunomiya City, Tochigi Prefecture 321-0106
Main Products Manufactured	Aircraft

2nd South Plant
(Aerospace Company)

Location	2-810-4 Miyanouchi, Utsunomiya City, Prefecture 321-0131
Main Products Manufactured	Aircraft

Handa Plant
(Aerospace Company)

Location	1-27, Shiohi-cho, Handa City, Aichi Prefecture 475-0032
Site Area	49,041㎡
Building Area	13,821㎡
Number of Employees	284
Main Products Manufactured	Aircraft

Handa West Plant
(Aerospace Company)

Location	102, Kamihama-cho, Handa City,Aichi Prefecture 475-0804
Site Area	41,977㎡
Building Area	13,809㎡
Number of Employees	39
Main Products Manufactured	Aircraft

Top Message

Chief General Manager
Utsunomiya Manufacturing Division
Corporate Executive Vice President
Hisashi Nagano

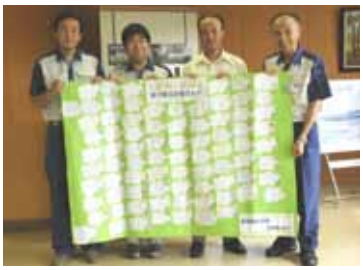
In the Utsunomiya Manufacturing Division, we actively give due consideration to the environment, contribute to society, and implement thorough compliance, based on our "Customer Comes First" policy, toward realizing our business vision: "An Attractive Company with a Strong Market Presence." By making efforts to be trusted by people, we will continue working to enhance our corporate value while playing our part in the development of a sustainable society.

To realize this goal, as a corporate citizen, we will redouble our efforts to deal with environmental issues such as global warming, step up compliance, promote traffic manners, and sincerely address complaints, led by the slogan, "To Be a Company Endeared to the Community," since our plants are often located close to residential areas. At the same time, we will also continue our educational programs, taking advantage of our strengths as a manufacturer, to help children deepen their understanding of science and environmental activities.

Relationship with Local Society

Communication with the Local Community

We at Utsunomiya Manufacturing Division recognize the importance of coexisting with local communities as responsible members of society, and, equally, the importance of maintaining a prosperous society. In particular, making use of our advantages as a manufacturing industry, we have been involved in supporting school education to foster pupils' understanding of environmental protection activities over a long period.



Thank you letters from pupils who took the class

Eco Class Delivery Service for Elementary Schools

Utsunomiya Manufacturing Division provides environmental classes for grade five pupils in elementary schools in Utsunomiya City by dispatching our employees to give lectures on global warming and its mechanism through experiments. This is one of our efforts in promoting awareness of environmental issues among children, which started in FY2007. In FY2012, we held 46 classes for 1,432 pupils, making a grand total of 172 classes for 5,548 pupils.

Friendship Atelier

From June to September, we made our one-kilometer long exterior wall on the north of the factory available to the public to paint. Under the theme of "Together, Japan!" residents in the community, school students, and pupils, employees and their family members painted over the 164 sections in the wall. These paintings are renewed every two years and this year was its 11th anniversary.

Friendship Festival

The Friendship Festival was held in October by opening the factory to public. We welcomed some 8,000 visitors and enjoyed exchanges with our neighbors. The festival also promoted the Utsunomiya Manufacturing Division's CSR and environmental activities, as well as encouraging greening by giving oleander saplings to the visitors in cooperation with the Tochigi Prefecture Green Promotion Committee.

Lecturing Advanced Aviation Technology in Utsunomiya Citizen College

In June 2011, as a part of a series of lectures called "Aircraft and Utsunomiya" offered by the Utsunomiya Citizen College, we invited the students on a tour of our aircraft factory. Also, in July, the manager of the Material Research Department gave a lecture about advanced aviation technology. Both the tour and the lecture were attended by more than 50 students, who asked a number of searching questions. We truly felt their strong interest in our aviation work.

Bon Dance

In August, a grand Bon Dance festival was held with an attendance of some 3,000 people, including local community associations for residents, women, and children, and other local corporations. The festival has been a regular annual event in the community since 1984.

JAPAN CUP Cycle Road Race

Since 1990, FHI has been the main sponsor of the JAPAN CUP Cycle Road Race, Asia's top cycle race, which is hosted by Utsunomiya City. The race promotes Utsunomiya as a center of cycle sports both inside and outside Japan. The whole town was gripped by the criterium cycle race held in the center of Utsunomiya City as the opening event for the main race. The main race enjoyed some 70,000 spectators from around the region and beyond.

Activities in the Community—Education, Traffic Safety, and Others

Utsunomiya Manufacturing Division has taken various opportunities to promote its CSR activities, including providing educational and awareness programs for promoting traffic safety and environmental protection to its employees.

Installing Traffic Safety Reflectors

In May, with the cooperation of the Utsunomiya Police, Utsunomiya Manufacturing Division installed reflectors on electric poles to help prevent traffic accidents during the night. This was part of our local traffic safety activities as the chairing company of the Utsunomiya South Ward Safe Driving Administrators Council. These activities have been conducted during the Traffic Safety Campaign periods in the spring and autumn in specific areas.

Crossing Guard Services

We provide crossing guard services at cross roads in the neighborhood of the division at commuting times to schools and offices. This also serves to make our employees more conscious of traffic manners. Since there are many different routes to the schools in the vicinity of the division, we offer this service twice yearly: in April, when new pupils begin their classes, and in September, when students might be a little too carefree after the long summer holiday.

ISO 14001 Survey

In December, an ISO 14001 survey was conducted by an external auditor. Each of our departments described the ISO implementation status in their workplaces during the survey, and we were successfully certified without any adverse remarks. The auditor commented that "environmental risks are progressively being reduced through the fusion of business and environmental activities."

Clean Campaign

About 360 volunteers from the Utsunomiya Manufacturing Division worked in seven groups and picked up trash and cut grass around Minami-Utsunomiya Station of the Tobu Railway and Miyahara Ballpark near the division. The campaign this year marks the 21st anniversary. We will continue with such programs to help keep our local communities clean.

Green Fund

Contributions collected from employees working at the division were donated to the Prefecture Green Promotion Committees of Tochigi and Aichi Prefectures. First launched in 2000, this drive marked its 12th anniversary and was honored with a second Executive Director's Award by the National Land Afforestation Promotion Organization, following the Minister of Agriculture, Forestry and Fisheries Award in FY2012. (To date, accumulated donations have totaled 4.15 million yen.)

Reducing Power Usage During Summer Time

The newly introduced Article 27 of the Electricity Business Act instituted the Restriction on Use of Electricity in peak usage periods. The Utsunomiya Manufacturing Division implemented a range of measures to cope with this regulation by changing their business closing days to Thursdays and Fridays, when power usage is usually high, switching off air conditioners in different offices in turn, installing their own power generation systems, and eliminating any unnecessary usage of facilities and lighting at each work place. As a result, we managed to reduce power consumption by an average 26% per day—much higher than the legal specifications.

Approaches to Environmental Preservation

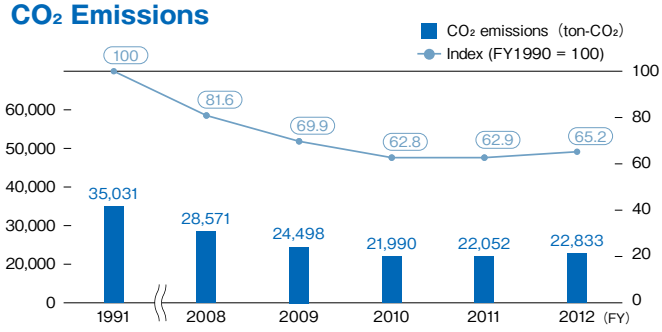
As a comprehensive manufacturer of transportation devices with automobiles as core products, we promote environmental preservation, recognizing that "addressing global environmental problems is a critical management issue."

Curbing Global Warming Activities

In the summer in FY2012, we were instructed to reduce our peak power consumption by 15% compared to FY2011 based on Article 27 of the Electricity Business Act. We have successfully achieved a drop in power consumption of 26% on average per day, which is significantly higher than the legal obligation. This was based on a number of measures, including changing our business closing days to Thursdays and Fridays when power usage is usually high, switching off air conditioners in different offices in turn, installing our own power generation systems, and eliminating any unnecessary usage of facilities and lighting at each work place.

We have also maintained our reduced CO_2 emissions, realizing a 34.8% reduction compared with actual performance in FY1991. We are committed to engaging in energy saving activities to curb global warming.

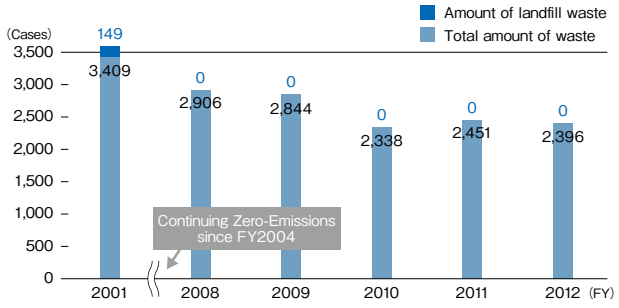
CO_2 Emissions



Approach to Zero-Emissions

Utsunomiya Manufacturing Division achieved Zero-Emissions in 2002. We will continue to improve recycling and further reduce waste.

Waste Emissions and Landfill Waste



Preventing Environmental Pollution

To live together with local communities and to maintain a verdant natural environment, we are engaged in the management of exhaust emissions and water discharge to reduce environmental risks, promoting activities to prevent environmental accidents and public hazards.

Regarding the ground operations of helicopters at the south plant, they are operated on an apron located furthest from the boundary of our premises to minimize noise for nearby residents.

As in FY2011, no environmental accidents have been recorded inside or outside the premises in FY2012. There were no environmental complaints either, due to the measures we have been taking, as described above.

We will make the utmost efforts not to cause any complaints or breach environmental limitations.

FY2012 Environmental Data

The measured results all comply with the Water Quality Pollution Control Act, the Utsunomiya Sewerage Ordinance, and the Handa Pollution Prevention Agreement. They also meet our voluntary standards which are 20% stricter than the levels under the agreement and ordinances.*1

*1 FHI established voluntary standards (for air, water, noise, and vibration) which are 20% stricter than related environmental laws and regulations.

Water Quality Data

The measured results all comply with the Water Quality Pollution Control Act and the Sewerage Act, as well as with our voluntary standards, which are 20% stricter than the levels under the agreement and ordinances.

Main Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5~9	5.4~8.6	7.9	6.7	7.4
SS	600	480	280	Under 1.0	44.0
BOD	600	480	317	Under 0.5	51.4
Oil Content (inorganic)	5	4	Under 1.0	Under 1.0	Under 1.0
Oil Content (organic)	30	24	19.9	Under 1.0	3.0
Fluorine	8	6.4	1.4	Under 0.2	0.3
Cadmium	0.1	0.08	0.025	Under 0.005	Under 0.005
Cyanide	1	0.8	Under 0.1	Under 0.1	Under 0.1
Total Chromium	2	1.6	0.44	Under 0.01	0.07
Hexavalent Chromium	0.1	0.08	0.03	Under 0.02	Under 0.02

South Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5~9	5.4~8.6	7.9	6.8	7.4
SS	600	480	143	8	40.0
BOD	600	480	175	6.6	50.0
Oil Content (inorganic)	5	4	Under 1.0	Under 1.0	Under 1.0
Oil Content (organic)	30	24	18.3	Under 1.0	3.4
Cadmium	0.1	0.08	Under 0.005	Under 0.005	Under 0.005
Cyanide	1	0.8	Under 0.1	Under 0.1	Under 0.1
Total Chromium	2	1.6	Under 0.01	Under 0.01	Under 0.01
Hexavalent Chromium	0.1	0.08	Under 0.02	Under 0.02	Under 0.02

[Notations]— pH: Hydrogen-ion concentration, BOD: Biochemical oxygen demand,
SS: Concentration of suspended solids in water (diameter: 2 mm or smaller)
[Units] ——— Except pH: mg/ℓ

2nd South Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5~9	5.4~8.6	7.9	6.6	7.4
SS	600	480	170	1	48.4
BOD	600	480	236	1.2	45.1
Oil Content (inorganic)	5	4	1.0	Under 1.0	Under 1.0
Oil Content (organic)	30	24	19.9	Under 1.0	1.7
Fluorine	8	6.4	1.5	Under 0.2	Under 0.2
Cadmium	0.1	0.08	Under 0.005	Under 0.005	Under 0.005
Cyanide	1	0.8	Under 0.1	Under 0.1	Under 0.1
Total Chromium	2	1.6	0.99	Under 0.01	Under 0.1
Hexavalent Chromium	0.1	0.08	Under 0.02	Under 0.02	Under 0.02

Handa Plant: Water Pollution Control Law, Environmental Agreement with Handa City

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	6~8	6.2~7.8	7.8	0.2	7.3
SS	25	20	11.0	Under 1.0	2.9
BOD	25	20	12.0	0.5	3.4
COD	25	20	20.0	0.7	8.1
Oil Content (inorganic)	5	4	Under 0.5	Under 0.5	Under 0.5
Cadmium	0.1	0.08	Under 0.05	Under 0.05	Under 0.05
Cyanide	1	0.8	Under 0.1	Under 0.1	Under 0.1
Total Chromium	2	1.6	Under 0.04	Under 0.04	Under 0.04
Hexavalent Chromium	0.5	0.4	Under 0.04	Under 0.04	Under 0.04

Handa West Plant: Water Pollution Control Law, Environmental Agreement with Handa City

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	6~8	6.2~7.8	7.8	6.9	7.3
SS	15	12	9.0	2.0	4.1
BOD	15	12	9.8	2.2	4.6
COD	15	12	8.3	3.9	5.6
Oil Content (inorganic)	2	1.6	Under 0.5	Under 0.5	Under 0.5
Cadmium	0.05	0.04	Under 0.005	Under 0.005	Under 0.005
Cyanide	0.5	0.4	Under 0.1	Under 0.1	Under 0.1
Total Chromium	0.2	0.16	Under 0.04	Under 0.04	Under 0.04
Hexavalent Chromium	0.3	0.24	Under 0.04	Under 0.04	Under 0.04

Air Pollution Data

The measured results all comply with the Air Pollution Control Act, and they were also less than our voluntary standards, which is 20% stricter than Law.

Main Plant: Air Pollution Control Law

Facilities	Substances	Regulated Values	Voluntary Standard	Maximum Values	Average Values
Co-generation System	NOx	600	480	273	129
Dry-off Furnace	NOx	230	184	Under 100	Under 100
	PM	0.2	0.16	Under 0.001	Under 0.001

[Unit] NOx: ppm, PM: g/m3N

Handa Plant: Air Pollution Control Law, Environmental Agreement with Handa City

Facilities	Substances	Regulated Values	Voluntary Standard	Maximum Values	Average Values
2-ton Boiler	SOx	1.5	1.2	Under 0.002	Under 0.002
	NOx	180	144	40	38
	PM	0.1	0.08	Under 0.002	Under 0.002

[Unit] SOx: g/m3N/h, NOx: ppm, PM: g/m3N

Handa West Plant: Air Pollution Data, Environmental Agreement with Handa City

Facilities	Substances	Regulated Values	Voluntary Standard	Maximum Values	Average Values
2-ton Boiler	SOx	1.5	1.2	Under 0.002	Under 0.002
	NOx	180	144	41	36
	PM	0.1	0.08	Under 0.002	Under 0.002

[Unit] SOx: g/m3N/h, NOx: ppm, PM: g/m3N

Measurement Result of Noise and Vibration

The measured results all comply with the Noise and Vibration Act, and they were also less than our voluntary standards, which are 20% stricter than the Law.

■ Noise: Noise Regulation Act

[Unit: dB(A)]

Measurement Area	Regulated Values (night)	Voluntary Standard	Number of Measurements	Actual Values
Main Plant	60	58	8	53
South Plant	50	48	3	48
2nd South Plant	50	48	3	48
Handa Plant	65	63	3	45
Handa West Plant	65	63	6	46

■ Vibration: Vibration Regulation Act

[Unit: dB(Z)]

Measurement Area	Regulated Values (night)	Voluntary Standard	Number of Measurements	Actual Values
Main Plant	70	68	8	44
South Plant	60	58	2	Under 30
2nd South Plant	60	58	3	35
Handa Plant	70	68	3	32
Handa West Plant	70	68	5	33

Amount of PRTR chemical substances handled and emitted

■ Utsunomiya Manufacturing Division [Aerospace Company] (Main Plant, South Plant, 2nd South Plant)

[Unit: kg]

Code	CAS No	Chemical Substances	Amount Handled	Air Release	Water Emissions	Transfer (sewer)	Transfer	Consumption	Solvent Wiping Removal	Recycle
30	25068-38-6	Bisphenol A	2,200				880	1,320		
40	100-41-4	Ethyl benzene	336	76			22	238		
63	1330-20-7	Xylene	2,937	1,330			451	1,156		
227	108-88-3	Toluene	18,407	12,733			3,616	2,058		
69	none	Compounds of Hexavalent chromium	1,784				692	704	387	
Total			25,664	14,139	0	0	5,661	5,476	387	0

■ Utsunomiya Manufacturing Division [Eco Technologies Company]

[Unit: kg]

Code	CAS No	Chemical Substances	Amount Handled	Air Release	Water Emissions	Transfer (sewer)	Transfer	Consumption	Solvent Wiping Removal	Recycle
40	100-41-4	Ethyl benzene	6,284	3,821			1,527			936
63	1330-20-7	Xylene	20,448	12,432			4,969			3,047
227	108-88-3	Toluene	7,511	4,567			1,825			1,119
Total			34,243	20,820	0	0	8,321	0	0	5,102

* Listed are only those substances with annual handling volumes of 0.5 ton or more.

Signing Agreement of Environmental Preservation with Handa City

We publicly concluded a pollution prevention agreement with Handa City to replace an expiring agreement. On February 22, 2011, we newly entered into an environmental conservation agreement with the city expanding its scope to include environmental activities such as energy saving and the disposal of industrial waste.

Division History

January 1944	Utsunomiya Manufacturing Plant of Nakajima Aircraft Co., Ltd. opened and started army aircraft fuselage production
August 1945	Renamed as Fuji Industries Co., Ltd.
July 1950	Utsunomiya Cars Co., Ltd. established
July 1953	Fuji Heavy Industries Ltd. established
January 1958	T-1 intermediated trainer aircraft succeeded in First Flight
March 1962	Production of Road Packer (predecessor of current refuse collection vehicle Fuji-mighty) started.
August 1963	UH-1B turbine helicopters delivered to the Defense Agency
August 1965	Domestic light aircraft FA-200 (Aero SUBARU) succeeded in First Flight
March 1978	T-3 primary trainer aircraft delivered to the Defense Agency
December1984	AH-1S anti-tank helicopters delivered to the Defense Agency
August 1988	T-5 primary trainer aircraft delivered to the Defense Agency
December1992	Assembly plant of Boeing 777 (Handa Plant) started operations
September1993	UH-1 J Helicopters delivered to the Defense Agency
July 1999	Utsunomiya Manufacturing Division acquired ISO14001 certification
November2000	FUJI-MIGHTY Type LP0 went on sale
March 2002	Utsunomiya Manufacturing Division achieved zero emission
June2002	Company system introduced Aerospace Company and Eco Technologies Company established Aerospace Company
September 2002	T-7 new primary trainer aircraft succeeded in maiden flight and delivered to the Defense Agency
September2005	Main wings of Transport Aircraft X and fixed-wing patrol aircraft delivered to the Defense Agency
December2005	Pilot large-scale wind power generation unit built in Kamisu City, Ibaraki Prefecture
March 2006	AH-64D helicopters succeeded in maiden flight and delivered to the Defense Agency
January 2007	First delivery of Boeing 787, Main Wing
January 2010	Fuji Heavy Industries Ltd., acquired ISO14001 Corporate Integrated Certification
April 2010	FUJI MIGHTY ELECTRA launched
July 2012	Wind Power Generation Business transferred to Hitachi, Ltd.

Major Products

New electric refuse collection vehicle
FUJI MIGHTY ELECTRA

Boeing 777

Boeing 787

▶ Contact

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