Ajinomoto Co., Inc. Kawasaki Plant Site (Plant & Research laboratories)

INPUT

Item	Unit	FY2008
Input energy	TJ	2,515
Volume of water consumed	km^3	38,471

●Location: Kawasaki City, Kanagawa Prefecture
●Main Products: seasonings, amino acids
●Date ISO14001Certification Acquired: March, 2001 (plant area)
March, 2003 (research laboratories)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	45.1
Volume of recovered resources	kt	45.0
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	31,125
BOD	t	44.7
T-N	t	307.7
T-P	t	

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	129.4
SOx	t	0.0
NOx	t	79.5

●Main PRTR Substances used

Substance name	Unit	Volume
Pyrocatechol	kg/year	151,940
Acetonitrile	kg/year	2,369
Dichloromethane	kg/year	446

●Main PRTR Substances released

Substance name	Unit	Volume
Pyrocatechol	kg/year	632
LAS	kg/year	388
Manganese and its compounds	kg/year	359

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Co., Inc. Tokai Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	1,539
Volume of water consumed	km^3	14,663

●Location: Yokkaichi City, Mie Prefecture
●Main Products: sweeteners, seasonings, specialty chemicals, amino acids
●Date ISO 14001 Certification Acquired: November, 1999

OUTPUT

●Waste and Resource Recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	21.1
Volume of recovered resources	kt	21.0
Resource recovery ratio	%	99.9
Volume of disposed waste	kt	0.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	15,112
BOD	t	78.7
T-N	t	229.6
T-P	t	32.0

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	82.3
SOx	t	0.0
NOx	t	28.9

●Main PRTR Substances used

Substance name	Unit	Volume
N,N-dimethylformamide	kg/year	614,500
Toluene	kg/year	166,545
Acetonitrile	kg/year	78,465

●Main PRTR Substances released

Substance name	Unit	Volume
Toluene	kg/year	146,859
Acetonitrile	kg/year	4,710

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3		293.70
Incinerator ash (soot and dust)	ng-TEQ/g		0.00
Water quality (discharge outlet)	pg-TEQ/ℓ		44.00

Ajinomoto Co., Inc. Kyushu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	1,236
Volume of water consumed	km^3	19,840

- Location: Saga City, Saga Prefecture
- Main Products: amino acids
- Date ISO 14001 Certification Acquired: July 1998

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	28.7
Volume of recovered resources	kt	28.6
Resource recovery ratio	%	99.7
Volume of disposed waste	kt	0.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	10,840
BOD	t	153.3
T-N	t	720.5
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	94.0
SOx	t	589.1
NOx	t	63.0

●Main PRTR Substances used

Substance name	Unit	Volume
Manganese and its compounds	kg/year	906
Acetonitrile	kg/year	238
Cyclohexanamine	kg/year	181

●Main PRTR Substances released

Substance name	Unit	Volume
Manganese and its compounds	kg/year	906
Acetonitrile	kg/year	238
Cyclohexanamine	kg/year	181

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Knorr Foods Co., Ltd. Kawasaki Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	80
Volume of water consumed	km^3	62

- Location: Kawasaki City, Kanagawa Prefecture
- Main Products: soups, sauces
- Date ISO 14001 Certification Acquired: July 2003

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.2
Volume of recovered resources	kt	1.2
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	50
BOD	t	7.2
T-N	t	0.3
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	6.2
SOx	t	
NOx	t	

●Main PRTR Substances used

Substance name	Unit	Volume
Dichloromethane	kg/year	80

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Knorr Foods Co., Ltd. Tokai Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	125
Volume of water consumed	km^3	627

●Location: Shimada City, Shizuoka Prefecture
●Main Products: retort foods, soups, pharmaceuticals
●Date ISO 14001 Certification Acquired: August 2002

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.7
Volume of recovered resources	kt	1.7
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	556
BOD	t	0.3
T-N	t	0.2
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	8.9
SOx	t	
NOx	t	

●Main PRTR Substances used

Substance name	Unit	Volume
Chlorodifluoromethane	kg/year	161

●Main PRTR Substances released

Substance name	Unit	Volume
Chlorodifluoromethane	kg/year	135

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Knorr Foods Co., Ltd. Chubu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	61
Volume of water consumed	km^3	126

●Location: Yokkaichi City, Mie Prefecture
●Main Products: soups, mayonnaise
●Date ISO 14001 Certification Acquired: November 2002

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.5
Volume of recovered resources	kt	2.5
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	91
BOD	t	0.2
T-N	t	0.2
T-P	t	0.1

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	4.9
SOx	t	
NOx	t	

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Frozen Foods Co., Inc. Kanto Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	119
Volume of water consumed	km^3	284

- Location: Oura-gun, Gunma Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: March 2005

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.4
Volume of recovered resources	kt	2.4
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	169
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	10.5
SOx	t	0.4
NOx	t	0.5

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Frozen Foods Co., Inc. Shikoku Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	118
Volume of water consumed	km^3	183

- Location: Sanuki City, Kagawa Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: March 2005

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.8
Volume of recovered resources	kt	2.5
Resource recovery ratio	%	88.7
Volume of disposed waste	kt	0.3

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	85
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchase electricity included)	kt	10.2
SOx	t	0.7
NOx	t	0.4

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Frozen Foods Co., Inc. Kyushu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	66
Volume of water consumed	km^3	154

- Location: Saga-gun, Saga Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: March 2003

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.9
Volume of recovered resources	kt	0.9
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	91
BOD	t	5.9
T-N	t	2.4
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	5.8
SOx	t	1.5
NOx	t	120.5

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Frozen Foods Co., Inc. Chubu Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	96
Volume of water consumed	km^3	200

- Location: Ibi-gun, Gifu Prefecture
- Main Products: frozen foods
- Date ISO 14001 Certification Acquired: February 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.9
Volume of recovered resources	kt	1.9
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	105
BOD	t	0.5
T-N	t	0.2
T-P	t	0.3

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	7.8
SOx	t	0.3
NOx	t	0.9

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Medica Co., Ltd. Saitama Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	122
Volume of water consumed	km^3	144

●Location: Hiki-gun, Saitama Prefecture
●Main Products: infusions
●Date ISO 14001 Certification Acquired: April 2006 (Scope extension)
(Original certification is March 2005)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.5
Volume of recovered resources	kt	0.5
Resource recovery ratio	%	99.7
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	105
BOD	t	1.1
T-N	t	0.7
T-P	t	0.1

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	8.1
SOx	t	0.0
NOx	t	3.7

●Main PRTR Substances used

Substance name	Unit	Volume
Zinc compound (water-soluble)	kg/year	115

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Medica Co., Ltd. Fukushima Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	100
Volume of water consumed	km^3	57

●Location: Shirakawa City, Fukushima Prefecture
●Main Products: elemental diet products, insulin secretagogue
●Date ISO 14001 Certification Acquired: April 2006 (Scope extension)
(Original certification is March 2005)

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.6
Volume of recovered resources	kt	0.6
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	33
BOD	t	0.3
T-N	t	0.3
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	7.6
SOx	t	0.0
NOx	t	0.6

●Main PRTR Substances used

Substance name	Unit	Volume
Dichloromethane	kg/year	30,868
Acetonitrile	kg/year	761

●Main PRTR Substances released

Substance name	Unit	Volume
Dichloromethane	kg/year	1,227

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge outlet)	pg-TEQ/ℓ		

Ajinomoto Medica Co., Ltd. Shimizu Factory

INPUT

Item	Unit	FY2008
Input energy	TJ	63
Volume of water consumed	km^3	283

●Location: Shizuoka City, Shizuoka Prefecture
●Main Products: infusions
●Date ISO 14001 Certification Acquired: April 2006

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	1.8
Volume of recovered resources	kt	1.8
Resource recovery ratio	%	99.1
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	254
BOD	t	0.2
T-N	t	0.1
T-P	t	

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	4.8
SOx	t	0.0
NOx	t	1.8

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge	pg-TEQ/ℓ		

Ajinomoto Medica Co., Ltd. Oigawa Factory

INPUT

Item	Unit	FY2008
Input energy	TJ	219
Volume of water consumed	km^3	699

●Location: Shita-gun, Shizuoka Prefecture
●Main Products: infusions
●Date ISO 14001 Certification Acquired: April 2006

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	0.8
Volume of recovered resources	kt	0.8
Resource recovery ratio	%	99.8
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	523
BOD	t	0.1
T-N	t	0.1
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (direct combustion of fossil fuels)	kt	14.7
SOx	t	1.4
NOx	t	5.9

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge	pg-TEQ/ℓ		

Calpis Co., Ltd. Gunma Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	386
Volume of water consumed	km^3	2,279

●Location: Tatebayashi City, Gunma Prefecture
●Main Products: beverages
●Date ISO 14001 Certification Acquired: December 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	5.0
Volume of recovered resources	kt	5.0
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	1,727
BOD	t	6.5
T-N	t	6.4
T-P	t	0.1

(excluding indirect cooling water)

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	25.6
SOx	t	0.0
NOx	t	11.4

●Main PRTR Substances used

Substance name	Unit	Volume
N/A		

●Main PRTR Substances released

Substance name	Unit	Volume
N/A		

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge	pg-TEQ/ℓ		

Calpis Co., Ltd. Okayama Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	124
Volume of water consumed	km^3	661

●Location: Soja City, Okayama Prefecture
●Main Products: beverages
●Date ISO 14001 Certification Acquired: June 2000

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008
Volume of generated waste & by-products	kt	2.3
Volume of recovered resources	kt	2.3
Resource recovery ratio	%	100.0
Volume of disposed waste	kt	0.0

●Discharged water

Item	Unit	FY2008
Volume of water discharged	km^3	568
BOD	t	
T-N	t	
T-P	t	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (direct combustion of fossil fuels)	kt	8.4
SOx	t	0.0
NOx	t	720.7

●Main PRTR Substances used

Substance name	Unit	Volume
LAS	kg/year	155

●Main PRTR Substances released

Substance name	Unit	Volume
LAS	kg/year	155

●Dioxin

Category	Unit	Regulatory requirements	FY2008
Air quality (exhaust gas)	ng-TEQ/Nm^3	N/A	
Incinerator ash (soot and dust)	ng-TEQ/g		
Water quality (discharge	pg-TEQ/ℓ		

Thailand Area Ajinomoto Co., (Thailand) Ltd.

INPUT

Item	Unit	FY2008
Input energy	TJ	6,011
Volume of water consumed	kt	16,802

●Location: Thailand
●Main Products: seasonings, feed use amino acids
●Date ISO14001 Certification Acquired:
July 2003 Phra Pradaeng Factory
September 2001 Pthum Thani Factory
June 2002 Kamphaeng Phet Factory
January 2006 Nong Khae Factory

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008	
Volume of generated waste & by-products	kt	303.3	
Volume of recovered resources	kt	302.1	
Resource recovery ratio	%	99.6	Phra Pradaeng Factory
		99.6	Pathum Thani Factory
		99.9	Kamphaeng Phet Factory
		60.4	Nong Khae Factory
Volume of disposed waste	kt	1.2	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	489.6
SOx	t	870.4
NOx	t	598.9

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	14,354
BOD	t	12.9
T-N	t	18.4
T-P	t	41.9

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Manganese and its compounds	kg/year	7,444	0

Brazil Area Ajinomoto Interamericana Industria e Comercio Ltda., Limeira Plant, Valparaiso Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	4,465
Volume of water consumed	kt	11,232

●Location: Brazil
●Main Products: seasonings, feed-use amino acids
●Date ISO14001 Certification Acquired:
December 2001 Limeira Plant
June 2003 Laranjal Paulista Plant
November 2004 Valparaiso Plant
November 2007 Pederneiras Plant

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008	
Volume of generated waste & by-products	kt	888.4	
Volume of recovered resources	kt	881.0	
Resource recovery ratio	%	97.7	Limeira Plant
		99.9	Valparaiso Plant
		99.6	Laranjal Paulista Plant
		99.9	Pederneiras Plant
Volume of disposed waste	kt	7.4	

●Atmospheric Exhaust

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	198.8
SOx	t	483.2
NOx	t	461.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	7,440
BOD	t	32.1
T-N	t	1,311.2
T-P	t	

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Acetonitrile	kg/year	288	0
Toluene	kg/year	4	0

France Area Ajinomoto Euro-Aspartame S.A.S Dunkerque Plant, AJINOMOTO EUROLYSINE S.A.S Amiens Plant, Ajinomoto Foods Europe S.A.S Nesle Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	4,791
Volume of water consumed	kt	11,520

●Location: France
●Main Products: sweeteners and feed-use amino acid, seasonings
●Date ISO14001 Certification Acquired: January 2006 Dunkerque Plant
March 2006 Amiens Plant
December 2006 Nesle Plant

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008	
Volume of generated waste & by-products	kt	221.7	
Volume of recovered resource	kt	213.4	
Resource recovery ratio	%	45.6	Dunkerque Plant
		99.8	Amiens Plant
		99.9	Nesle Plant
Volume of disposed waste	kt	8.3	

●Atmospheric Exhaustt

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	197.1
SOx	t	0.5
NOx	t	50.1

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	10,136
BOD	t	71.2
T-N	t	183.9
T-P	t	

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Toluene	kg/year	54,990,000.0	0.0
Formaldehyde	kg/year	823.0	0.0

U.S.A Area Ajinomoto Food Ingredients LLC Iowa Plant, Ajinomoto Heartland LLC Eddyville Plant

INPUT

Item	Unit	FY2008
Input energy	TJ	3,870
Volume of water consumed	kt	3,996

●Location: U.S.A
●Main Products: seasonings, feed-use amino acids, pharmaceutical-use amino acids
●Date ISO14001 Certification Acquired: November 2003 Iowa Plant
April 2004 Eddyville Plant
May 2004 North Carolina Plant

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008	
Volume of generated waste & by-products	kt	201.6	
Volume of recovered resource	kt	201.1	
Resource recovery ratio	%	99.9	Iowa Plant
		99.7	Eddyville Plant
		98.6	North Carolina Plant
Volume of disposed waste	kt	0.5	

●Atmospheric Exhaustt

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	271.8
SOx	t	2.3
NOx	t	97.2

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	3,441
BOD	t	1,777.4
T-N	t	433.0
T-P	t	

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
Manganese and its compounds	kg/year	15,637.0	15,397.0
Formaldehyde	kg/year	34.0	34.0
Acetonitrile	kg/year	13.0	13.0

China Area Shanghai Ajinomoto Seasoning Co., Ltd. , CHUANHUA AJINOMOTO CO., LTD. , HENAN AJINOMOTO AMINO ACID CO., LTD. , Shanghai Ajinomoto Amino Acid Co., Ltd.

INPUT

Item	Unit	FY2008
Input energy	TJ	767
Volume of water consumed	kt	2,307

●Location: China
●Main Products: feed-use amino acids, pharmaceutical-use amino acids, seasonings, retort curry etc.
●Date ISO14001 Certification Acquire
January 2005 CHUANHUA AJINOMOTO
July 2005 HENAN AJINOMOTO AMINO ACID
September 2005 Shanghai Ajinomoto Amino Acid
February 2006 SHANGHAI HOUSE AJINOMOTO FOODS
February 2008 Shanghai Ajinomoto Seasoning

OUTPUT

●Waste and Resource recovery

Item	Unit	FY2008	
Volume of generated waste & by-products	kt	63.3	
Volume of recovered resource	kt	62.8	
Resource recovery ratio		67.1	Shanghai Seasoning
		99.7	CHUANHUA
		99.8	HENAN AMINO ACID
		90.1	Shanghai Amino Acid
Volume of disposed waste	kt	0.5	

●Atmospheric Exhaustt

Item	Unit	FY2008
CO2 (purchased electricity included)	kt	84.7
SOx	t	5.2
NOx	t	10.7

●Discharged water

Item	Unit	FY2008
Volume of water discharged	kt	1,905
BOD	t	32.8
T-N	t	27.5
T-P	t	0.1

●Major chemical substances covered by Japan's PRTR

Substance name	Unit	Volume used	Volume discharged to the environment
N/A			