



Environmental Performance Data

Domestic Plants

Plant/Area Name	Gunma Plant			Oppama Plant			Yoshimi Plant		
Address	132 Shin-nakano, Ora-cho, Ora-gun, Gunma			18 Natsushima-cho, Yokosuka-city, Kanagawa			628 Oaza-Kumeda, Yoshimi-machi, Hiki-gun, Saitama		
Area	224,781m ²			22,514m ²			141,784m ²		
Buildings	64,352m ²			17,434m ²			49,700m ²		
Major Products	Air conditioning unit, condenser, exhaust product, metal carrier			Exhaust products			Instrument panel, center console		
Regulations Agreements	Gunma Prefecture Regulations, Ora Town Agreement, Sewage Law			Kanagawa Prefecture Regulations, Sewage Law			Saitama prefecture regulations		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	6.5 ~ 8.5	6.8	8.0	5.8 ~ 8.6	7.4	7.8	5.8 ~ 8.6	7.0	7.6
SS	30mg/l or less	4.8	29	300mg/l or less	1.0 or less	2.0	90mg/l or less	2.4	15.2
BOD	20mg/l or less	2.3	12.2	300mg/l or less	1.0 or less		25mg/l or less	1.0 or less	4.1
N-Hex	3mg/l or less	0.4	1.8	5 mg/l or less	0.5 or less	0.7	5mg/l or less	0.5 or less	0.9
Fluorine	8mg/l or less	0.2	1.9	—	—	—	—	—	—
Boron	—	—	—	—	—	—	—	—	—
Zinc	2mg/l or less	0.1 or less	0.1	1.0 mg/l or less	0.1 or less	0.3	—	—	—
Phosphorous	16mg/l or less	0.1	0.4	6.25 mg/l or less	0.1 or less		8mg/l or less	1.4	4.2
Nitrogen	120mg/l or less	0.8	2.8	50 mg/l or less	1.4	5.0	60mg/l or less	2.4	14.8
Copper	3mg/l or less	0.1 or less		1.0 mg/l or less	0.1 or less	0.3	—	—	—
Nickel	—	—	—	1.0 mg/l or less	0.1 or less		—	—	—
COD	—	—	—	—	—	—	60mg/l or less	6.7	15.4
E. Coli bacterium	Less than 3000	0	140	—	—	—	Less than 3000	0	16
Dichloromethane	0.2mg/l or less	0.02 or less		—	—	—	—	—	—
Total Water Discharged	44 (km ³)			9.5 (Km ³)			53 (Km ³)		
Discharged to	River (water channel for rice paddies)			Sewer			River (tributary of Ichinokawa river)		
Average BOD	8.0			1.0			2.4		
Amount of Pollution (BOD)	0.35 (t)			0.0 (t)			0.13 (t)		
SOx	—			Not measured due to small size			No sulfur because of city gas and LPG		
NOx	—			0.12 (t)			0.45 (t)		
Soot	—			0.007 (t)			0.000 (t)		
CO ₂	14,067 (t)			1,742 (t)			6,997 (t)		
Plant Photograph									

Plant/Area Name	Kodama Plant			Atsugi Plant		
Address	540-7 Kyohei, Kodama-cho, Honjo-city, Saitama			4012 Sakuradai, Nakatsu, Aikawa-cho, Aiko-gun, Kanagawa		
Area	51,168m ²			128,559m ²		
Buildings	15,838m ²			64,085m ²		
Major Products	Electronic control units			Radiators, motor fans, condensers, intercoolers, oil coolers, UCR (unibody radiators - condenser)		
Regulations Agreements	Saitama prefecture regulations			Kanagawa Prefecture Regulations, Sewage Law		
Effluent Regulations						
Item	Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum
pH	5.8 ~ 8.6	7.0	8.1	5.8 ~ 8.6	7.1	7.7
SS	60mg/l or less	7.0	21.0	300mg/l or less	1.0 or less	3.6
BOD	25mg/l or less	1.0	14.0	300mg/l or less	1.0 or less	4.2
N-Hex	30mg/l or less	3.0 or less		5mg/l or less	1.0 or less	1.8
Fluorine	—	—	—	8 mg/l or less	1.4	4.6
Boron	—	—	—	10 mg/l or less	0.1 or less	
Zinc	—	—	—	2 mg/l or less	0.1 or less	0.1
Phosphorous	—	—	—	32 mg/l or less	0.1 or less	2.0
Nitrogen	—	—	—	—	—	—
Copper	—	—	—	3 mg/l or less	0.1 or less	
Nickel	—	—	—	—	—	—
COD	160mg/l or less	2.0	19.0	—	—	—
E. Coli bacterium	Less than 3000	30 or less		—	—	—
Dichloromethane	—	—	—	—	—	—
Total Water Discharged	9.5 (km ³)			138 (Km ³)		
Discharged to	River (tributary of the Tonegawa river)			Sewer		
Average BOD	6.2			1.3		
Amount of Pollution (BOD)	0.06 (t)			0.18 (t)		
SOx	0.19 (t)			0.13 (t)		
NOx	0.77 (t)			0.65 (t)		
Soot	0.017 (t)			0.000 (t)		
CO ₂	3,188 (t)			10,291 (t)		
Plant Photograph						

Test Center and R&D Center, Headquarters

Plant/Area Name	Test Center Area 1			Test Center Area 2			R&D Center · Headquarters		
Address	7 Sakae-cho, Sano-city, Tochigi			8 Sakae-cho, Sano-city, Tochigi			2-1917 Nisshin-cho, Kita-ku, Saitama-city, Saitama		
Area	36,920m ²			36,909m ²			33,047m ²		
Buildings	19,072m ²			28,069m ²			10,704m ²		
Major Products	Experiment			Experiment			R&D · Headquarters		
Regulations Agreements	Tochigi Prefecture Regulations, Sano-city Regulations, Sewage Law			Tochigi Prefecture Regulations, Sano-city Regulations, Sewage Law			Saitama Prefecture Regulations, Saitama-city Regulations		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	5.0 ~ 9.0	7.3	8.0	5.0 ~ 9.0	6.6	8.0	5.0 ~ 9.0	7.4	
SS	600mg/l or less	6.8	49.0	600mg/l or less	1.0 or less	62.6	600mg/l or less	212.0	
BOD	600mg/l or less	6.9	85.5	600mg/l or less	1.0 or less	100.0	600mg/l or less	99.7	
N-Hex	5 mg/l or less	1.0 or less		5mg/l or less	1.0 or less		5 mg/l or less	1.0 or less	
Fluorine	—	—	—	—	—	—	—	—	—
Boron	—	—	—	—	—	—	—	—	—
Zinc	—	—	—	—	—	—	—	—	—
Phosphorous	—	—	—	—	—	—	—	—	—
Nitrogen	—	—	—	—	—	—	—	—	—
Copper	—	—	—	—	—	—	—	—	—
Nickel	—	—	—	—	—	—	—	—	—
COD	—	—	—	—	—	—	—	—	—
E. Coli bacterium	—	—	—	—	—	—	—	—	—
Dichloromethane	—	—	—	—	—	—	—	—	—
Total Water Discharged	69(Km ³)			25(Km ³)			18(Km ³)		
Discharged to	Sewer			Sewer			Sewer		
Average BOD	21.5			23.6			—		
Amount of Pollution	—			—			—		
SOx	—			—			—		
NOx	—			—			0.216(t)		
Soot	—			—			—		
CO ₂	3,454(t)			2,685(t)			2,832(t)		
Plant Photograph									

Domestic Affiliated Companies

Plant/Area Name	CKK (Headquarters · Usa Plant)			CKK (Nakatsu Plant)			CKF (Headquarters · Nihonmatsu Plant)		
Address	111 Oaza-Waki, Usa-city, Oita			150-3 Oaza-Inumaru, Nakatsu-city, Oita			5-1 Sumiyoshi, Nihonmatsu-city, Fukushima		
Area	99,146m ²			48,646m ²			68,400m ²		
Buildings	19,427m ²			17,803m ²			13,800m ²		
Major Products	Instrument Panel			Air conditioner unit, radiator, exhaust products			Meters, tank units, sensors, switches		
Regulations Agreements	Oita Prefecture Regulations, Usa-city Agreement			Oita Prefecture Regulations, Nakatsu-city Agreement			Fukushima Prefecture Regulations, Nihonmatsu-city Regulations		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	6.0 ~ 8.6	7.4	7.9	6.0 ~ 8.5	6.7	7.5	5.8 ~ 8.6	6.8	7.5
SS	60mg/l or less	2.0	20.0	30mg/l or less	1.0 or less	27.0	70mg/l or less	1.0 or less	37.2
BOD	60mg/l or less	1.0 or less	2.0	30mg/l or less	0.5 or less	18.0	25mg/l or less	1.0 or less	8.1
N-Hex	2mg/l or less	1.0 or less		5mg/l or less	0.5 or less	11.0	5 mg/l or less	0.5 or less	1.2
Fluorine	—	—	—	—	—	—	—	—	—
Boron	—	—	—	—	—	—	—	—	—
Zinc	—	—	—	—	—	—	—	—	—
Phosphorous	—	—	—	8mg/l or less	0.42	3.2	—	—	—
Nitrogen	—	—	—	60mg/l or less	6.7	47.0	—	—	—
Copper	—	—	—	—	—	—	—	—	—
Nickel	—	—	—	—	—	—	—	—	—
COD	60 mg/l以下	5.0	13.0	—	—	—	—	—	—
E. Coli bacterium	—	—	—	Less than 3000	0	—	Less than 3000	0	—
Dichloromethane	—	—	—	—	—	—	—	—	—
Total Water Discharged	11.6(Km ³)			(Only active septic tank) 10.4(Km ³)			16.7(Km ³)		
Discharged to	River (Yorimo River)			River (Inumaru river)			River (tributary of Abukuma River)		
Average BOD	1.3			8.5			2.7		
Amount of Pollution (BOD)	0.02(t)			0.09(t)			0.05(t)		
SOx	0.26(t)			0.40(t)			No sulfur because of LPG		
NOx	0.43(t)			0.78(t)			0.08(t)		
Soot	0.011(t)			0.026(t)			0.000(t)		
CO ₂	4,533(t)			7,086(t)			3,349(t)		
Plant Photograph									

Environmental Performance Data

Domestic Affiliated Companies

Plant/Area Name	CKF (Tanagura Plant)			CKF (Fukushima Plant)			TRS		
Address	12-1 Gyouninzuka, Uwada, Tanagura-machi, Higashi-Shirakawa-gun, Fukushima			11-1 Aza-Yamamichi, Arai, Fukushima-city, Fukushima			2002-1 Endo, Fujisawa-city, Kanagawa		
Area	21,682m ²			8,512m ²			88,254m ²		
Buildings	4,781m ²			4,970m ²			41,004m ²		
Major Products	Tank unit, rotation sensor			Molding parts, sirocco fans, gasoline caps, oil caps			Radiators, EGR coolers, oil coolers, intercoolers, fuel coolers, oil pans, vacuum tanks, fuel tanks, SCR tanks, etc.		
Regulations Agreements	Fukushima Prefecture Regulations, Tanagura-machi Regulations			Fukushima Prefecture Regulations, Fukushima-city Regulations			Kanagawa Prefecture regulations, Fujisawa-city greening agreement		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	5.8 ~ 8.6	6.7	8.0	5.8 ~ 8.6	6.9	7.1	5.8 ~ 8.6	7.2	7.8
SS	70mg/l or less	1.0 or less	10.4	200mg/l or less	13.0	23.0	90mg/l or less	1.0 or less	5.2
BOD	25mg/l or less	1.0 or less	4.7	160mg/l or less	1.2	32.0	60mg/l or less	1.1	9.1
N-Hex	5mg/l or less	0.5 or less	1.2	5mg/l or less	0.5 or less	0.5	5 mg/l or less	0.5 or less	2.0
Fluorine	—	—	—	—	—	—	8 mg/l or less	0.4	1.3
Boron	—	—	—	—	—	—	—	—	—
Zinc	—	—	—	—	—	—	2 mg/l or less	0.1 or less	0.1
Phosphorous	—	—	—	—	—	—	—	—	—
Nitrogen	—	—	—	—	—	—	—	—	—
Copper	—	—	—	—	—	—	—	—	—
Nickel	—	—	—	—	—	—	—	—	—
COD	—	—	—	—	—	—	60 mg/l or less	6.5	17.6
E. Coli bacterium	Less than 3000	0	50	Less than 3000	0	1	—	—	—
Dichloromethane	—	—	—	—	—	—	—	—	—
Total Water Discharged	3.4(Km ³)			4(Km ³)			24(Km ³)		
Discharged to	River (tributary of Abukuma River)			River (tributary of Abukuma River)			River (Isshiki River)		
Average BOD	1.8			16.6			3.8		
Amount of Pollution	(BOD)	0.005(t)		(BOD)	0.07(t)		(BOD)	0.95(t)	
SOx	—			—			No sulfur because of city gas.		
NOx	—			—			1.013(t)		
Soot	—			—			0.007(t)		
CO ₂	661(t)			1,264(t)			11,021(t)		
Plant Photograph									

Plant/Area Name	CKP (Headquarters- Sano Plant Area 1)			CKP (Headquarters- Sano Plant Area 2)			CKP (Itakura Plant)		
Address	765 Ishihara, Takahagi-cho, Sano-city, Tochigi			14-4 Sakae-cho, Sano-city, Tochigi			7 Ookura, Itakura-machi, Ora-gun, Gunma		
Area	12,012m ²			9,010m ²			16,500m ²		
Buildings	5,670m ²			5,741m ²			4,161m ²		
Major Products	Molding parts, intake, motor fans, liquid tanks, relief valves			Pressed parts, radiator caps, cup holders, switches, interior car arrangements			Control switch for heater air conditioner, controls, electronic base		
Regulations Agreements	Tochigi Prefecture Regulations, Sano-city Regulations, Sewage Law			Tochigi Prefecture Regulations, Sano-city Regulations, Sewage Law			Gunma Prefecture Regulations, Itakura-machi Agreement		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	5.0 ~ 9.0	7.5	7.7	5.0 ~ 9.0	7.3	7.4	5.8 ~ 8.6	6.3	7.9
SS	600mg/l or less	1.0 or less	4.8	600mg/l or less	6.8	27.2	15mg/l or less	1.0	11.0
BOD	600mg/l or less	1.9	17.3	600mg/l or less	1.0 or less	6.2	15mg/l or less	5.0	12.0
N-Hex	5mg/l or less	1.0 or less		5mg/l or less	1.0 or less		3mg/l or less	1.0 or less	
Fluorine	—	—	—	—	—	—	—	—	—
Boron	—	—	—	—	—	—	—	—	—
Zinc	—	—	—	—	—	—	—	—	—
Phosphorous	—	—	—	—	—	—	—	—	—
Nitrogen	—	—	—	—	—	—	—	—	—
Copper	3mg/l or less	0.1 or less		3mg/l or less	0.1 or less		—	—	—
Nickel	—	—	—	—	—	—	—	—	—
COD	—	—	—	—	—	—	—	—	—
E. Coli bacterium	—	—	—	—	—	—	Less than 1000	30 or less	
Dichloromethane	—	—	—	—	—	—	—	—	—
Total Water Discharged	3.5(Km ³)			4.1(Km ³)			6(Km ³)		
Discharged to	River (tributary of Misugi River), Sewer			Sewer			River (tributary of the Watarase river)		
Average BOD	1.9			2.3			9.2		
Amount of Pollution	(BOD)	0.01(t)		(BOD)	0.01(t)		(BOD)	0.06(t)	
SOx	—			—			—		
NOx	—			—			—		
Soot	—			—			—		
CO ₂	1,476(t)			866(t)			1,355(t)		
Plant Photograph									

Domestic Affiliated Companies

Plant/Area Name	CKP (Tochigi Plant)			CKU			CKI		
Address	144-1 Shimokoyama, Shimotsuke-city, Tochigi			11-6 Kiyohara Industrial Park, Utsunomiya-city, Tochigi			1-27-5 Tatekawame, Waga-cho, Kitakami-city, Iwate		
Area	18,886m ²			66,100m ²			23,410m ²		
Buildings	10,497m ²			20,864m ²			9,742m ²		
Major Products	Resin Components for automotive interiors Instrument panel, console, other			Compressors for car air conditioner, parts			Compressors for car air conditioner		
Regulations Agreements	Tochigi Prefecture Regulations, Shimotsuke-city Agreement			Tochigi prefecture regulations, Utsunomiya-city agreements			Iwate prefecture regulations, Kitakami-city agreements		
Effluent Regulations									
Item	Regulated value	Result		Regulated value	Result		Regulated value	Result	
		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum
pH	5.8 ~ 8.6	7.2	8.1	5.8 ~ 8.6	7.3	7.8	5.8 ~ 8.6	6.7	7.5
SS	50mg/l or less	4.0	6.4	40mg/l or less	1.0 or less	7.6	200mg/l or less	1.0	14.0
BOD	30mg/l or less	1.0 or less		20mg/l or less	1.0 or less	15.7	160mg/l or less	0.5	18.0
N-Hex	5mg/l or less	0.5 or less		5mg/l or less	0.5 or less	2.6	5 mg/l or less	0.5	0.8
Fluorine	—	—	—	—	—	—	8 mg/l or less	0.02	0.03
Boron	—	—	—	—	—	—	—	—	—
Zinc	—	—	—	—	—	—	2 mg/l or less	0.01	0.11
Phosphorous	—	—	—	—	—	—	16 mg/l or less	0.11	2.8
Nitrogen	—	—	—	—	—	—	120 mg/l or less	2.3	93.0
Copper	—	—	—	—	—	—	3 mg/l or less	0.005	0.02
Nickel	—	—	—	—	—	—	—	—	—
COD	30mg/l or less	6.8	8.3	20mg/l or less	2.9	13.6	160 mg/l or less	0.5	23.0
E. Coli bacterium	—	—	—	—	—	—	Less than 3000	30	850
Dichloromethane	—	—	—	—	—	—	—	—	—
Total Water Discharged	12 (km ³)			13 (km ³)			21 (km ³)		
Discharged to	Sewer			Passes Kiyohara industrial disposal plant, Kirugawa river			River disposal (Waga River)		
Average BOD	1.0 or less			6.2			5.3		
Amount of Pollution	(BOD)	0.01(t)		(BOD)	0.08(t)		(BOD)	0.11(t)	
SOx	—			—			—		
NOx	—			—			—		
Soot	—			—			—		
CO ₂	1,687(t)			7,788(t)			4,488(t)		
Plant Photograph									

Thank you for reading the 2009 Calsonic Kansei Environmental Report.

We have gathered efforts toward Calsonic Kansei Groups environmental conservation activities for the FY 2008 in the “2009 Calsonic Kansei Environmental Report”.

This has been edited to “state the environmental conservation activities of Calsonic Kansei as clearly as possible within this one report to all of the readers” and “included our updated activities with information following the related guidelines”.

In the future we would like to closely communicate with everyone through the Calsonic Kansei Environmental Report.

We hope that you will share your valuable thoughts about our environmental report, so that we can further our environmental conservation activities and contributions to society.

We would appreciate it if you could take the time to fill out the questionnaire included in this report.

September, 2009

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This environmental report can also be viewed on the Calsonic Kansei Website.

<http://www.calsonickansei.co.jp/>