Environmental management data

Environmental management system

Scope of EMS

Head Office and Research/Information Center
 Head Office (Morinaga Plaza Building)
 Head Office (Meguro Building)
 Head Office (Shibaura DF Building)
 Research/Information Center

Saroma Plant

Betsukai Plant

Morioka Plant

Fukushima Plant

Tone Plant

Tokyo Plant

Tama Site

Tokyo Tama Plant

Yamato Plant

Chilled Products Coordination Center -- East Japan Engineering Research Center

Matsumoto Plant

Fuji Plant

Chukyo Plant

Kinki Plant

Kobe Site

Kobe Plant

Chilled Products Coordination Center -- West Japan

Yokohama Milk Industry Co., Ltd.

MK CHEESE CO., LTD.

Fuji Nyugyo

Kumamoto Milk Corporation

NIHON SEINYU

TOYONYUGYO

OKINAWA MORINAGA MILK. Co., Ltd.

URAHORO MILK INDUSTRY CO., LTD.

HOKKAIDO HOSHO MILK PLANT Co., Ltd.

● TOYO FERMENTEDMILK CO., LTD.

● TOHOKU MORINAGA MILK CO., LTD., Sendai Plant

● TOHOKU MORINAGA MILK CO., LTD., Akita Plant

Morinaga-Hokuriku Milk Industry Co., Ltd., Toyama Plant

Morinaga-Hokuriku Milk Industry Co., Ltd., Fukui Plant

● FURIJIPORT CO., LTD., Kumamoto Plant

Chez Foret Co., Ltd.

Shiba 5-33-1, Minato-ku, Tokyo 108-8384

Meguro 4-4-22, Meguro-ku, Tokyo 153-8657

Shibaura 3-13-8, Minato-ku, Tokyo 108-0023

Higashihara 5-1-83, Zama City, Kanagawa 252-8583

Nishitomi 123, Saroma-cho-aza, Tokoro-gun, Hokkaido 093-0504

Nishishunbetsukiyokawa-cho 18, Betsukai-cho, Notsuke-gun, Hokkaido 088-2572

Aoyama 2-3-14, Morioka City, Iwate 020-0133

Shimizuuchi 5, Fushiogami-aza, Fukushima City, Fukushima 960-8154

Uchimoriya-machi 4013-1, Joso City, Ibaraki 303-0043

Okudo 1-29-1, Katsushika-ku, Tokyo 124-8577

Tateno 4-515, Higashiyamato City, Tokyo 207-0021

Tateno 4-601, Higashiyamato City, Tokyo 207-0021

Tateno 4-540, Higashiyamato City, Tokyo 207-0021

Tateno 4-515, Higashiyamato City, Tokyo 207-0021

Kamada 2-1-4, Matsumoto City, Nagano 390-0837

Nakazatohigashi-cho 639, Fujinomiya City, Shizuoka 418-0046

Nakanara-cho Hitotsume 1, Konan City, Aichi 483-8256

Tsutoiden-cho 2-95, Nishinomiya City, Hyogo 663-8242

Mayafuto No.3, Nada-ku, Kobe City, Hyogo 657-0854

Mayafuto No.3, Nada-ku, Kobe City, Hyogo 657-0854

Yoshiokahigashi 3-6-1, Ayase City, Kanagawa 252-1125

Ochiaikita 1-1-1, Ayase City, Kanagawa 252-1116

Nameri 18, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0933

Kakizemachi 431-1, Higashi-ku, Kumamoto City, Kumamoto 861-8011

Takanoichi 694-1, Nukanome-aza, Takahata-machi-oaza, Higashiokitama-gun, Yamagata 999-2176

Miiri 1-19-7, Asakita-ku, Hiroshima City, Hiroshima 731-0211

Agarizaki 4-15, Nishihara-cho-aza, Nakagami-gun, Okinawa 903-0105

Zaimoku-cho 1, Urahoro-cho-aza, Tokachi-gun, Hokkaido 089-5607

Katsuraoka-cho 3-8, Otaru City, Hokkaido 047-0264

Okehazama-shinmei 1518, Midori-ku, Nagoya City, Aichi 458-0919

Minato 1-1-9, Miyagino-ku, Sendai City, Miyagi 983-0001

Kamikaruishino 38-1, Iwase-aza, Odate City, Akita 018-3596

Mukaishinjo-machi 8-3-45, Toyama City, Toyama 930-0916

Takagi 2-601, Fukui City, Fukui 910-0805

Morikita-nitahata 1812-24, Kikuchi City, Kumamoto 861-1312

Kamikoya 1355-31, Yachiyo City, Chiba 276-0022

Environmental accounting

(Period: April 1, 2016 - March 31, 2017)
Target area: Direct 13 plants, consolidated 16 plants, head office,
Research/Information Center, branch offices, regional offices, centers

Environmental protection cost

ltem			FY 2016				
Classification	Breakdown	Unit	Investment amount	Cost amount			
Within business area							
1 Pollution prevention cost	Typical 7 pollution prevention cost	000-yen	178,961	1,171,812			
2 Cost of global environment conservation			758,986	430,017			
3 Resource circulation cost	Costs for recycling waste and other resources	000-yen	230,011	300,018			
Area total		000-yen	1,167,958	1,901,847			
Outside business area							
4 Upstream/downstream cost	Costs for raw materials, distribution, and post-disposal	000-yen	0	581,613			
5 Environmental management cost	Costs for environmental management, preparing lectures, etc.	000-yen	0	263,097			
6 Social activity cost	Costs for greening, clean-up activity promotion, and river cleaning	000-yen	0	24,447			
7 Cost for handling environmental damage	Costs for handling contamination loads	000-yen	0	16,106			
Area total		000-yen	0	885,262			

Environmental conservation effect

	Classification		Effect	Unit	FY 2015	FY 2016	
1	1 Effect on pollution- Prevention costs	Air pollution prevention	Reduction of SOx emissions	Ton-SOx	122	-50	
			Reduction of NOx emissions	Ton-NOx	66	12	
2	2 Effect on cost of global environmen conservation	Prevention of global warming	Reduction of CO2 emissions from production	Tons	6,252	11,750	
			Reduction of CO2 emissions from office work	Tons	900	472	
			Reduction of CO2 emissions from transport	Tons	3,254	1,238	
3	3 Effect on resource circulation cost	Effective resource utilization	Reduction of water consumption	000-tons	239	713	
			Reduction of waste discharge	Tons	968	1,748	
	4 Effect on cost of upstream/	Reduction of environmental	Reduction of the amount of paper containers and packages	Tons	122	778	
	downstream cost-reduction	burden related to containers and packages	Reduction of the amount of plastic containers and packages	Tons	-75	906	

^{*}The effect is indicated by the difference between the relevant year and the previous year (a positive number indicates a decrease; a negative number, an increase).

Environmental economic effect

Classification	Effect	Unit	FY 2015	FY 2016
2 Effect on cost of global environment conservation	Cost reduction through energy saving	000-yen	8,380	256,860
2555-4	Revenue of resource recycling	000-yen	88,039	68,640
3 Effect on resource circulation cost	Reduction of waste disposal cost	000-yen	-62,274	24,806
4 Effect on upstream/downstream cost	Cost reduction through logistics reduction	000-yen	21,750	26,300

^{*}Each serial number identifying an environmental economic effect corresponds to an environmental conservation cost (table above).

Environmental performance data

Energy and CO2

Electricity purchase amount and private power generation rate



Rate of amount of energy from gas in amount of total fuel energy

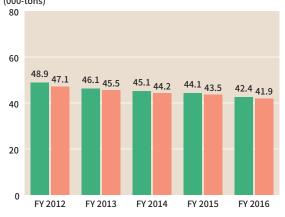


Replacement from oil to gas: The plants of the Morinaga Milk Group are actively switching from oil to city gas as fuel, as the former generates more CO2

when combusted than the latter.

Resource circulation

Amount of discharged industrial waste / Amount of recycled industrial waste (000-tons)



■ Discharged amount (000-tons) ■ Recycled amount (000-tons)

Amount of discharged industrial waste:

The amount of discharged waste processed by contractors out of the amount of industrial waste generated during business activities, including waste processed for value

Basic unit of discharged industrial waste

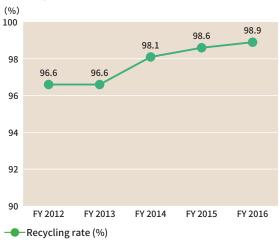


■Generated amount / Production amount (kg/ton)

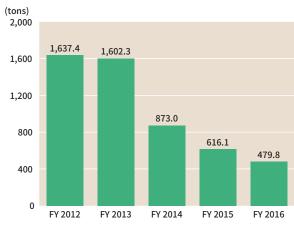
Basic unit of discharged industrial waste:

Numerical value calculated by dividing the weight (tons) of industrial waste generated annually by the annual production amount (tons)

Recycling rate



Amount of waste to be landfilled



■Amount of waste to be landfilled (tons)

Amount of waste to be landfilled: Weight of waste to be landfilled

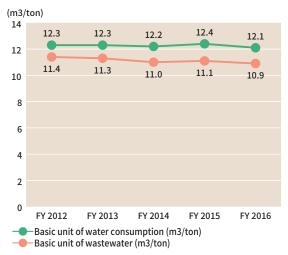
Environmental performance data

Conservation of water resources

Energy-saving strategy

Morinaga Milk has installed co-generation systems and ice banks at the plants to improve energy- efficiency. At the Tokyo Tama plant, we have also installed photovoltaic panels and use the generated electricity for production activities.

Basic unit of water consumption / Basic unit of wastewater



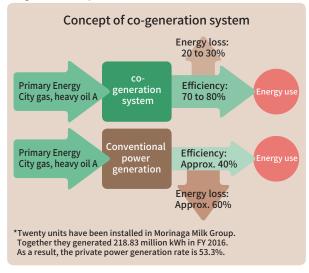
Basic unit of water consumption:

Numeric value calculated by dividing the amount of water (m3) such as tap water, well water, etc. used at the plants by the annual production volume (tons)

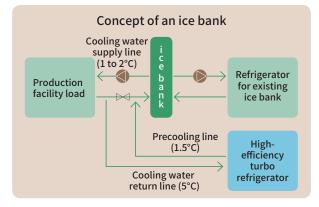
Basic unit of wastewater:

Numeric value calculated by dividing the amount of wastewater (m3) flowing into the plants' wastewater treatment facilities and drain, or discharged from the wastewater treatment facilities, by the annual production volume (tons)

Co-generation system



Ice bank



Actual amount of photovoltaic power generated by the Tokyo Tama Plant

(kWh)

FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
38,034	32,043	31,131	32,619	29,507