CSR Report 2016

Home > CSR > Environmental Impact and Resource Reduction, and Climate Change Countermeasures / Responsible Care Activities by Group Companies

Font Size S L M

	Reduction, and Climate Change Countermea	
	whice by croup companies	Editorial Policy
	al Year means the year ending March 31. example, FY2016 means April 1, 2015 - March 31,	2016 Top Message
1. Responsible Care Activities by	Group Companies	JSR Group CSR
	ted Data on Domestic Group Companies	Dialogue with Stakeholde
.		_
3. Environmental and Salety-relat	ted Data on Overseas Group Companies	Priority issues identified by the JSR Group
1. Responsible Care A	Activities by Group	Management
Companies		JSR Group CSR Priority Is
SR strives in concert with all group	companies to promote environmental and	Safety and Disaster Prevention
с .	ict environment and safety audits on all grou	UP JSR Group CSR Priority Is
	at are involved in production, transportation	1
and construction.		Environmental Impac and Resource
· · ·	overseas Group companies have already Id companies pending accreditation impleme	Reduction, and
•	nent systems. Group companies are	climate Change Countermeasures
systematically working to establish e	5	
environmental impact.		Environmental Impact
Data Aggregation Scope		Reduction
Group Companies		Resource Recycling
Japan 14 companies (18 sites)	Overseas 10 companies (10 sites)	Climate Change
ELASTOMIX CO., LTD.	JSR Micro N.V. (Belgium)	Countermeasures
Japan Butyl Co., Ltd. KRATON JSR ELASTOMERS K. K	JSR Micro, Inc. (USA) JSR Micro Korea Co., Ltd. (South Korea)	
Emulsion Technology, Co., Ltd. D-MEC LTD.	JSR Micro Taiwan Co., Ltd. (Taiwan) Kumho Polychem Co., Ltd. (South Korea)	Biodiversity Conservation
JSR Micro Kyushu Co., Ltd.	JSR BST Elastomer Co., Ltd. (Thailand)	
JSR Optech Tsukuba Co., Ltd. JM Energy Corporation	ELASTOMIX (THAILAND) CO.,LTD.(Thailand) PT. ELASTOMIX INDONESIA (Indonesia)	Environment and
JAPAN COLORING CO., LTD.	Tianjin Kuo Cheng Rubber Industry Co., Ltd. (China)	Safety (Related Data)
Techno Polymer Co., Ltd. JSR Trading Co., Ltd.	ELASTOMIX (FOSHAN) CO., LTD. (China)	
JSR LOGISTICS & Customer Center CO., LTD		Responsible Care Activities by Group
JSR ENGINEERING CO., LTD. JSR Life Sciences Corporation		Companies
Implementation Status of Environmental		JSR Group CSR Priorit

Japan 5 companies (5 sites) Overseas No data	ISO 14001 Certification Status Japan 11 companies (14 sites) Overseas 8 companies (8 sites) (Sites without certification employ individual environmental management systems)	Sustainable Society where People Can Enjoy Health and Longevity
		JSR Group CSR Priority Issues
2. Environmental	and Safety-related Data on	Communication with $\xrightarrow{\rightarrow}$ Stakeholders
Domestic Group	o Companies	About the JSR Group \rightarrow
(1) Recycling and Er	nvironmental Impact	Evaluation by Outside Organization, Third- Party Opinion, and
Input		Independent Review
	2012 2013 2014 2015 2016	

Production volume (1	,000t/y)	414	422	417	376	403	GRI Guidelines and
Energy consumption (1,000kL/y)	(crude oil conversion:	118	118	123	112	126	Global Compact Content Index
Water resource use (1,000m ³ /y)	2,922	3,133	3,038	2,985	3,009	
PRTR applicable subst	tance use (1,000 t/y)	159	177	177	140	163	Print Version of the CSR Report
Output							
		2012	2013	2014	2015	2016	Send Opinions on the
CO2 emission (1,000t Scope2)	/y) (Total for Scope1 and	323	337	295	271	274	CSR Report
Atomosphere	SOx emission (t/y)	7	6	1	1	1	Evaluation
	NOx emission (t/y)	59	58	55	50	64	by Outside Organizations
Water quality Total di	ischarge (1,000m³/y)	2,932	3,547	3,509	3,295	3,494	
	COD discharge (t/y)	17	23	25	70	72	
	Total nitrogen discharge (t/y)	6	7	7	4	7	FTSE4Good
	Total phosphorus discharge (t/y)	0	0	0	1	1	
Industrial waste gene	eration (t/y)	4,891	21,582	15,180	9,101	13,327	
Recycled waste (on-s	ite and off-site: t/y)	2,473	20,667	14,531	8,615	12,835	
Amount of final off-si	te landfills (t/y)	1,840	413	184	184	198	
PRTR-regulated substances	Atmospheric emissions (t/y)	370	348	222	220	218	
	Water supply discharge (t/y)	3	3	6	5	6	
	Transported waste (t/y)	83	152	282	55	52	
PCB Management (power equipment)	Equipment in storage (units)	24	17	15	11	7	
	: Oil Volume (L)	23 517	21 828	19,728	15 318	12 550	

(2) Other

Other						
		2012	2013	2014	2015	2016
Environmental a Capital Investm million yen/y)		5.6	5.1	4.7	11.0	9.9
Environmental	Odor	0	0	0	0	0
complaints (cases)	Noise	0	0	0	0	0
	Vibration	0	0	0	0	0
	Other	0	0	0	0	0
Facility acciden	ts (cases)	0	0	0	0	1
Workplace accid resulting in lost		3	0	1	1	3
* Number of Grou companies and b site covered		11companies 16sites	11companies 16sites	12companies 16sites	14companies 18sites	14companies 18sites

(3) Preservation of Atmospheric Environment Data

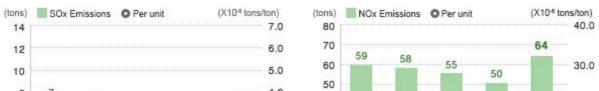
SOx Emissions

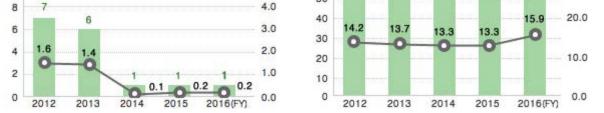
14

12

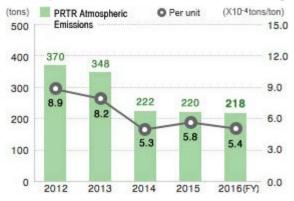
10

NOx Emissions



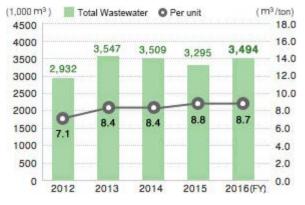


Atmospheric Emissions of PRTR-Regulated Substances



(4) Preservation of Water Quality Data

Total amount of waste water



Total Nitrogen Emissions



(5) Recycling Data

Waste Generated



Recycled Waste



Off-Site Landfills



Water Resource Consumption



(6) Climate Change Countermeasures Data

Energy Consumption

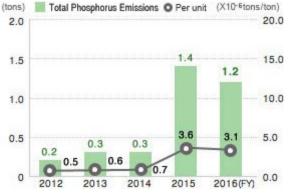
CO₂ Emissions

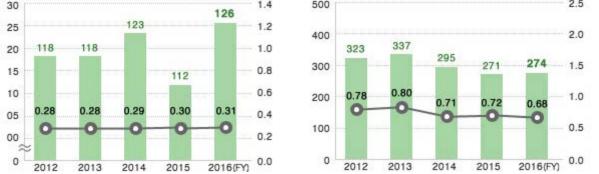
(1,000K.£)	Energy Consumption	O Per unit	(K&/ton)	(1,000 tons)	CO ₂ Emissions	O Per unit	(tons/ton)
30			1.4	500			2.5

Chemical Oxygen Demand Emissions









Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Scope 1 to 3)

Category	FY2015 emissions		FY2016 emissions		Emissions subject to calculate
	CO2 (t)	Percentage (%)	CO2 (t)	Percentage (%)	
I. Direct emissions	82,836	29.6	84,990	27.1	Direct emissions

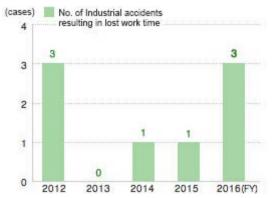
II. Energy indirect e (Scope2)	emissions	188,597	67.4	217,231	69.1	fuel and industrial processes by the reporting company Indirect emissions from the use of electricity and heat purchased by the reporting company
III. Other emissions (Scope3)	6	8,401	3.0	12,065	3.8	
Other indi	rect emissions (br	eakdown of	Scope3)			
Category 1	Purchased goods and services	-	-	-	-	Emissions from activities up to the manufacture of raw materials, parts, purchased goods, sales-related materials, etc. - Not calculated.
Category 2	Capital goods	-	-	-	-	Emissions from the construction and manufacturing of the reporting company's capital goods - Not calculated.
Category 3	Fuel and energy related activities not included in Scope 1 or 2	-	-	-	-	Emissions from the procurement of fuel used in power generation, etc., for electricity and heat procured from other entities - Not calculated.
Category 4	Transportation and delivery (upstream)		-	-		 (1) Emissions from the distribution of raw materials, parts, purchased goods, sales- related materials, etc., up to delivery to the reporting company (2) Emissions from distribution paid for by the reporting company) amount of activity from other distribution services than (1) above (transport, handling, and storage) purchased in the fiscal year of the report: Amount of domestic and overseas shipment distribution - Not calculated.
Category 5	Waste from business operations	7,140	85.0	10,914	90.5	Emissions from the transportation and processing of waste generated by the reporting company
Category 6	Business travel	329	3.9	240	2.0	Emissions from employee business travel
Category 7	Employee commuting	865	10.3	848	7.0	Emissions from employee transportation when commuting to and from the place of business
Category 8	Leased assets (upstream)	63	0.8	54	0.4	Emissions from the operation of assets leased to the reporting company (excluding emissions calculated under Scope 1 or 2)
Category 9	Transportation and delivery (downstream)	-	-	-	-	Emissions from the transport, storage, cargo handling, and retail sales of

						products (limited to those items not paid for by the reporting company) - Not calculated.
Category 10	Processing of sold products	-	-	-	-	Emissions from the processing of intermediate products by the reporting company - Not calculated.
Category 11	Use of sold products	-	-	-	-	Emissions from the use of products by users (consumers and companies) - Not calculated.
Category 12	Disposal of sold products	-	-	-	-	Emissions from the transportation and processing of products upon disposal by users (consumers and companies) - Not calculated.
Category 13	Leased assets (downstream)	3	0.0	9	0.1	Emissions from the operation of assets leased to other entities
Category 14	Franchises	0	0.0	0	0.0	Emissions from franchises - No emissions; business structures are not franchises.
Category 15	Investments	-	-	-	-	Emissions related to the management of investments - Not calculated.
Scope 3 to (Categorie	otal s 1 through 15)	8,401	100.0	12,065	100.0	

(7) Other: Number of Workplace Accidents, Number of Facility Accidents, Number of Environmental Complaints







Facility Accidents





3. Environmental and Safety-related Data on Overseas Group Companies

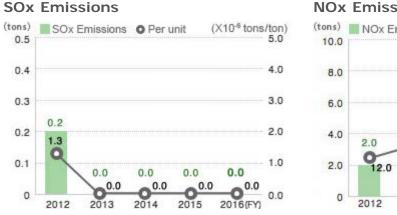
(1) Recycling and Environmental Impact

Overseas Group Companies

Input					
	2012	2013	2014	2015	2016

Production volume (1,000t/y)	162	174	208	250	272
Energy consumption (crude oil conversion: 1,000kL/y)	82	86	119	140	169
Water resource use (1,000 m ³ /y)	1,406	1,496	2,090	2,859	3,232
Output					
	2012	2013	2014	2015	2016
CO2 emission (1,000t/y) (Total for Scope1 and Scope2)	218	227	315	365	449
Atomosphere SOx emission (t/y)	0.2	0.0	0.0	0.0	0.0
NOx emission (t/y)	2.0	2.9	2.2	3.1	6.7
Water quality Total discharge (1,000m ³ /y)	1,203	1,279	1,706	2,279	2,427
Inderstrial waste generation (t/y)	5,713	6,194	7,327	9,849	10,622
Recycled waste (on-site and off-site: t/y)	2,725	4,619	5,286	7,362	7,810
Amount of final off-site landfills (t/y)	285	304	310	814	627
* Number of Group companies and business site covered	9companies 9sites	9companies 9sites	9companies 9sites	11companies 11sites	10companies 10sites

(2) Preservation of Atmospheric Environment Data



NOx Emissions



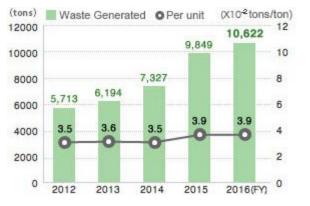
(3) Preservation of Water Quality Data

Total amount of waste water



(4) Recycling Data

Waste Generated

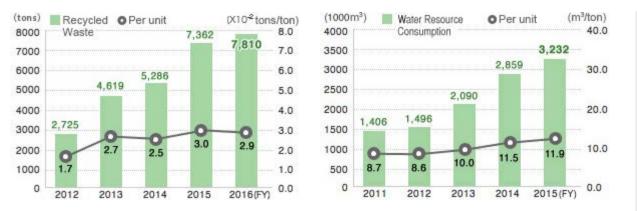


Off-Site Landfills



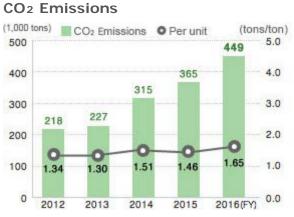
Recycled Waste

Water Resource Consumption



(5) Climate Change Countermeasures Data





Accounting for Greenhouse Gas	Emissions	Throughout	the Supply Chair	า
(Scope1 to 3)				

Ca	ategory	FY2015	emissions	FY2016	emissions	Emissions subject to calculate
			Percentage (%)	CO2 (t)	Percentage (%)	
I. Direct e (Scope 1		161,522	42.9	217,065	47.1	Direct emissions from the use of fuel and industrial processes by the reporting company
II. Energy-derived indirect emissions (Scope2)		203,561	54.0	231,626	50.3	Indirect emissions from the use of electricity and heat purchased by the reporting company
III. Other emission (Scope3)	S	11,606	3.1	11,878	2.6	
Other indi	rect emissions (br	reakdown o	f Scope3)			
Category 1	Purchased goods and services	-	-	-	-	Emissions from activities up to the manufacture of raw materials, parts, purchased goods, sales-related materials, etc. - Not calculated.
Category 2	Capital goods	-	-	-	-	Emissions from the construction and manufacturing of the reporting company's capital goods - Not calculated.
Category 3	Fuel and energy related activities not included in Scope 1 or 2	-	-	-	-	Emissions from the procurement of fuel used in power generation, etc., for electricity and heat procured from other entities - Not calculated.
Category 4	Transportation and delivery (upstream)	-	-	-	-	 (1) Emissions from the distribution of raw materials, parts, purchased goods, sales- related materials, etc., up to delivery to the reporting company (2) Emissions (emissions from distribution paid for by the reporting company)

						activity from other distribution services than (1) above (transport, handling, and storage) purchased in the fiscal year of the report: Amount of domestic and overseas shipment distribution - Not calculated.
Category 5	Waste from business operations	9,465	81.5	10,209	85.9	Emissions from the transportation and processing of waste generated by the reporting company
Category 6	Business travel	208	1.8	225	1.9	Emissions from employee business travel
Category 7	Employee commuting	753	6.5	813	6.8	Emissions from employee transportation when commuting to and from the place of business
Category 8	Leased assets (upstream)	1,090	9.4	625	5.3	Emissions from the operation of assets leased to the reporting company (excluding emissions calculated under Scope 1 or 2)
Category 9	Transportation and delivery (downstream)	-	-	-	-	Emissions from the transport, storage, cargo handling, and retail sales of products (limited to those items not paid for by the reporting company) - Not calculated.
Category 10	Processing of sold products	-	-	-	-	Emissions from the processing of intermediate products by the reporting company - Not calculated.
Category 11	Use of sold products	-	-	-	-	Emissions from the use of products by users (consumers and companies) - Not calculated.
Category 12	Disposal of sold products	-	-	-	-	Emissions from the transportation and processing of products upon disposal by users (consumers and companies) - Not calculated.
Category 13	Leased assets (downstream)	90	0.8	6	0.1	Emissions from the operation of assets leased to other entities
Category 14	Franchises	0	0.0	0	0.0	Emissions from franchises - No emissions; business structures are not franchises.
Category 15	Investments	-	-	-	-	Emissions related to the management of investments - Not calculated.
Scope 3 to	otal	11,606	100.0	11,878	100.0	

TOP 🔺