



Environmental Activity Goals and Results

Goal achieved or steadily progressing: ○ Goal not achieved: △

Items	Boundary	Goals	Fiscal 2019 Results	Evaluation	Page	
Addressing Climate Change	Greenhouse gas emissions Scope 1+2* ¹	Sumitomo Chemical Group Consolidated	Reduce 30% compared to fiscal 2013 levels by fiscal 2030	Reduced 24% relative to fiscal 2013	○	Pages 99–109
			Reduce more than 57% compared to fiscal 2013 levels by fiscal 2050			
	Scope 3* ²	Sumitomo Chemical's major suppliers* ³	Reduce overall GHG emissions by fiscal 2024 Conduct engagement to set goals	Held supplier briefings in Tokyo and Osaka		
	Unit energy consumption* ⁴	Sumitomo Chemical Group Consolidated	Improve more than 3% over the three years of the Corporate Business Plan (fiscal 2019–2021)	Increased 3% relative to fiscal 2018		
Unit energy consumption in the logistics division	Sumitomo Chemical and Group companies in Japan* ⁵	Improve over 1% per year on average over five years	Improved by an annual average of 0.5% over five years	△		

Note: Further details on goals based on the Act on the Rational Use of Energy and results are provided in the supplementary data (pages 119–120).

*1 Scope 1: Direct emissions from factory operations, such as fuel use in manufacturing processes

Scope 2: Indirect emissions from purchases of power and heat from outside the factory

*2 Scope 3: Emissions from the manufacturing and transportation of purchased raw materials

*3 Covers suppliers accounting for 90% of procured raw materials and other items based on weight

*4 Energy consumption divided by consolidated net sales

*5 Within the scope of specified shippers according to the definition stipulated under the Act on the Rational Use of Energy



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Goal achieved or steadily progressing: ○ Goal not achieved: △

Items	Boundary	Fiscal 2019 Goals	Fiscal 2019 Results	Evaluation	Fiscal 2020 Goals	Page
Environmental Protection						
Severe environmental accidents	Sumitomo Chemical and consolidated subsidiaries in Japan and overseas	0	0	○	Severe environmental accidents = 0	
Laws and regulations, etc.	Sumitomo Chemical	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations	Studied and responded to amendments to the PRTR Act, the Act on Rational Use and Proper Management of Fluorocarbons, and the Air Pollution Control Act (asbestos). Thoroughly discussed legislation to ease or tighten regulations with the Diet.	○	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations	
Environmental protection management methods, etc.	Sumitomo Chemical	Provide individual support to Group companies for responding to environmental regulations	Provided individual support related to the Waste Management and Public Cleansing Law and the Soil Contamination Countermeasures Act	○	Provide individual support to Group companies for responding to environmental regulations	
Prevention of air and water pollution	Sumitomo Chemical	Meet voluntary management criteria*1	There was one instance of the legal standard limit being exceeded and another instance where a limit agreed upon with a municipality was exceeded. We have investigated the causes and taken countermeasures.	△	Meet voluntary management criteria	
Effective use of water resources	Sumitomo Chemical	Promote effective and efficient use of water resources	Water usage rose by 5.5% relative to fiscal 2018		Promote effective and efficient use of water resources	
	Group companies overseas	Improve unit water consumption by at least 1% on average per year	Unit water consumption worsened by 0.5% relative to fiscal 2015	△	Improve unit water consumption by at least 1% on average per year	
Response to PRTR	Sumitomo Chemical	Maintain 60% lower total emissions relative to fiscal 2008	Reduced emissions by 89.9% relative to fiscal 2008		Maintain 60% lower total emissions relative to fiscal 2008	
	Sumitomo Chemical and Group companies in Japan	Maintain total emissions of air and water pollutants at below fiscal 2015 levels to fiscal 2020	Reduced emissions by 20.2% relative to fiscal 2015	○	Maintain total emissions of air and water pollutants at below fiscal 2015 levels to fiscal 2020	
Reduction of VOC emissions	Sumitomo Chemical	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Reduced emissions by 55.0% relative to fiscal 2000	○	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Pages 110–118
Prevention of soil and groundwater contamination	Sumitomo Chemical and Group companies in Japan	Keep hazardous materials strictly within Company premises*2	Continued to keep hazardous materials strictly within Company premises	○	Keep hazardous materials strictly within Company premises	
Prevention of ozone layer depletion	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045 	Systematically replaced refrigeration units that use CFCs and HCFCs as coolants	○	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045 	
Conservation of Biodiversity	Sumitomo Chemical	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity"	Ensured compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity" and promoted detailed initiatives	○	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity"	
Reduce the amount of industrial waste sent to landfills	Sumitomo Chemical	Maintain 80% reduction compared to fiscal 2000 levels	Reduced by 94.0% relative to fiscal 2000	○	Maintain 80% reduction compared to fiscal 2000 levels	
	Sumitomo Chemical and Group companies in Japan	Maintain waste volume at below fiscal 2015 levels to fiscal 2020	Reduced by 4.3% relative to fiscal 2015	○	Maintain waste volume at below fiscal 2015 levels to fiscal 2020	
Properly treated PCB waste	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> (High concentrations of PCB*3) Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage (Minute amounts of PCB*4) Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025 	<ul style="list-style-type: none"> (High concentrations of PCB) Sumitomo Chemical: Continuing treatment Group companies in Japan: Continuing treatment; continued to promote the storage and recovery of untreated waste 	○	<ul style="list-style-type: none"> (High concentrations of PCB) Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage 	
			<ul style="list-style-type: none"> (Minute amounts of PCB) Implemented the treatment of waste containing minute amounts of PCBs at certain factories; continuing to promote the storage and recovery of untreated waste 		<ul style="list-style-type: none"> (Minute amounts of PCB) Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025 	

Note: Further details are provided in the supplementary data (pages 121–139).

*1 Voluntary management targets that are stricter than the mandated levels and criteria of relevant laws and regulations, including agreements reached with local authorities.

*2 Keep hazardous materials strictly within Company premises: Controlled on the premises.

*3 High concentrations of PCB: Polychlorinated biphenyl (PCB) intentionally used as insulation oil in such items as electric appliances

*4 Minute amounts of PCB: PCB unintentionally mixed in as insulation oil in such items as electric appliances (over 0.5 mg/kg)