



## Environmental Activity Goals and Results

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

Items	Boundary	Fiscal 2018 Goals	Fiscal 2018 Results	Evaluation	Fiscal 2019 Goals	Page
Addressing Climate Change	Sumitomo Chemical	Improve 15% by fiscal 2020 compared to fiscal 2005 levels	Improved by 16.0% relative to fiscal 2005		Improve 15% by fiscal 2020 compared to fiscal 2005 levels	Pages 72–80
	Sumitomo Chemical and Group companies in Japan	Improve over 1% per year on average	Improved by 0.9% relative to fiscal 2015	△	Improve over 1% per year on average	
	Group companies overseas	Improve over 1% per year on average	Improved by 3.5% relative to fiscal 2015		Improve over 1% per year on average	
Improve unit energy consumption	Sumitomo Chemical	Improve 15% by fiscal 2020 compared to fiscal 2005 levels	Improved by 18.4% relative to fiscal 2005		Improve 15% by fiscal 2020 compared to fiscal 2005 levels	
	Sumitomo Chemical and Group companies in Japan	Improve over 1% per year on average	Improved by 0.3% relative to fiscal 2015	△	Improve over 1% per year on average	
	Group companies overseas	Improve over 1% per year on average	Improved by 2.9% relative to fiscal 2015		Improve over 1% per year on average	
Improve unit energy consumption in the logistics division	Sumitomo Chemical and Group companies in Japan*	Improve over 1% per year on average over five years	Improved by an annual average of 1.0% over five years	○	Improve over 1% per year on average over five years	

Note: Further details are provided in the supplementary data (pages 88–89).

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



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Items	Boundary	Fiscal 2018 Goals	Fiscal 2018 Results	Evaluation	Fiscal 2019 Goals	Page
<b>Environmental Protection</b>						
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, WET, 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 Act on Promotion of Global Warming Countermeasures	○	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	Unit water usage fell by 1.6% relative to fiscal 2017		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 improved by 5.6% 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 90.1% 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 15.9% 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 41.7% relative to fiscal 2000	○	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Pages 81–87
Prevention of soil and groundwater contamination	Sumitomo Chemical and Group companies in Japan	Keep hazardous materials strictly within Company premises*2	Kept 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"> <li>Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025</li> <li>Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045</li> </ul>	Systematically replaced refrigeration units that use CFCs and HCFCs as coolants	○	<ul style="list-style-type: none"> <li>Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025</li> <li>Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045</li> </ul>	
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 emissions by 83.7% 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 1.9% 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"> <li>(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</li> <li>(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</li> </ul>	<ul style="list-style-type: none"> <li>(High concentrations of PCB) Sumitomo Chemical: Completed treatment Group companies in Japan: Continuing treatment; continued to promote the storage and recovery of untreated waste</li> <li>(Minute amounts of PCB) Implemented the treatment of waste containing minute amounts of PCBs at certain factories; continued to promote the storage and recovery of untreated waste</li> </ul>	○	<ul style="list-style-type: none"> <li>(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</li> <li>(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</li> </ul>	

Note: Further details are provided in the supplementary data (pages 90–108).

\*1 Voluntary management targets that are stricter than the 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 0.5mg/kg)