

# Environmental Activities' Milestones

Fiscal	The Cosmo Oil Group	Oil Industry	Japan and the World
1986	<ul style="list-style-type: none"> <li>○Cosmo Oil Co., Ltd. established</li> <li>○Regulations on Environment and Safety Management and Regulations for the Comprehensive Safety Action Headquarters enacted</li> </ul>	<ul style="list-style-type: none"> <li>○Completed unleading of premium gasoline</li> <li>○Provisional Measures Law Relating to Imports of Specified Oil Products came into effect</li> </ul>	
1987	<ul style="list-style-type: none"> <li>○FCC exhaust gas desulfurization unit at Sakai Refinery completed</li> </ul>		<ul style="list-style-type: none"> <li>○Montreal Protocol (of the international Convention for the Protection of the Ozone Layer) adopted</li> </ul>
1989			<ul style="list-style-type: none"> <li>○Exxon Valdez ran aground, causes huge oil spill off the coast of Alaska</li> </ul>
1990	<ul style="list-style-type: none"> <li>○Cogeneration facilities at Yokkaichi Refinery completed</li> </ul>		<ul style="list-style-type: none"> <li>○Gulf Crisis began</li> <li>○Massive oil spills in the Persian Gulf</li> </ul>
1991	<ul style="list-style-type: none"> <li>○The Cosmo Oil Group dispatched oil spill prevention expert team to the Persian Gulf</li> </ul>		<ul style="list-style-type: none"> <li>○Keidanren adopted "Keidanren Global Environmental Charter"</li> </ul>
1992	<ul style="list-style-type: none"> <li>○Atmospheric distillation flue gas denitrification unit installed at Sakai Refinery</li> </ul>	<ul style="list-style-type: none"> <li>○Sulfur content in diesel fuel reduced to less than 0.2%</li> </ul>	<ul style="list-style-type: none"> <li>○United Nations Framework Convention on Climate Change adopted</li> <li>○United Nations Conference on the Environment and Development (Earth Summit)</li> </ul>
1993	<ul style="list-style-type: none"> <li>○The Cosmo Oil Group's Global Environment Action Program submitted to Japan Ministry of International Trade and Industry</li> <li>○Establishes Global Environment Committee, adopts committee regulations</li> </ul>		<ul style="list-style-type: none"> <li>○Japan's Basic Environment Law enacted</li> </ul>
1994	<ul style="list-style-type: none"> <li>○First annual Global Environment Committee meeting held, eight subcommittees created</li> <li>○Starts setting environmental targets annually, based on "Global Environmental Initiatives" document</li> <li>○Gas oil deep desulfurization unit at Chiba Refinery completed</li> </ul>		<ul style="list-style-type: none"> <li>○United Nations Framework Convention on Climate Change (UNFCCC) entered into force</li> <li>○Cabinet decision approved Japan's Basic Environment Plan</li> </ul>
1995	<ul style="list-style-type: none"> <li>○Cogeneration facilities at Sakai Refinery completed</li> <li>○Sakai Refinery received National Resources and Energy Agency's Director-General's Award for excellence in industrial energy management</li> </ul>		<ul style="list-style-type: none"> <li>○First Session of the Conference of the Parties (COP1) to the UNFCCC (Berlin)</li> <li>○The Great Hanshin-Awaji Earthquake</li> </ul>
1996	<ul style="list-style-type: none"> <li>○Environmental Action Plan Follow-Up Report submitted to Ministry of International Trade and Industry</li> <li>○Cogeneration facilities at Chiba Refinery completed</li> <li>○Gas oil deep desulfurization unit at Sakai Refinery completed</li> </ul>	<ul style="list-style-type: none"> <li>○Petroleum Association of Japan (PAJ) formulates Voluntary Plan for Control of Hazardous Air Pollution Substances</li> <li>○Benzene content in gasoline reduced to less than 5 vol %</li> <li>○Provisional Measures Law Relating to Imports of Specified Oil Products abolished</li> </ul>	<ul style="list-style-type: none"> <li>○ISO 14001 (international standard for environmental management systems) created</li> <li>○COP2 of the UNFCCC (Geneva)</li> <li>○Japan's Law on the Quality Control of Gasoline and Other Fuels entered into force</li> <li>○Keidanren Appeal on Environment is formulated</li> </ul>
1997	<ul style="list-style-type: none"> <li>○Established Nakhodka Oil Spill Support Team in response to major oil spill on the coast of the Sea of Japan caused by Russian tanker Nakhodka</li> <li>○Environmental impact assessments began at Cosmo Oil's Yokkaichi Kasumi Electric Power Plant (IPP)</li> </ul>	<ul style="list-style-type: none"> <li>○Sulfur content in diesel fuel reduced to less than 500ppm</li> <li>○PAJ formulates Oil Industry Voluntary Plan of Conduct for Environmental Conservation</li> </ul>	<ul style="list-style-type: none"> <li>○Nakhodka oil spill</li> <li>○Amendment of Law concerning the Rational Use of Energy</li> <li>○COP3 of the UNFCCC (Kyoto)</li> </ul>
1998	<ul style="list-style-type: none"> <li>○Introduced double-hulled tankers on regular routes</li> <li>○Gasoline benzene reduction unit completed</li> <li>○No. 2 atmospheric distillation flue gas denitrification unit completed at Chiba Refinery</li> </ul>	<ul style="list-style-type: none"> <li>○Lifting on the ban on self-service service stations</li> </ul>	<ul style="list-style-type: none"> <li>○Law Concerning the Promotion of Measures to Cope with Global Warming enacted</li> <li>○Cabinet decision adopted national Guideline of Measures to Prevent Global Warming</li> <li>○COP4 of the UNFCCC (Buenos Aires)</li> </ul>
1999	<ul style="list-style-type: none"> <li>○Sales launch of "Terra Series" biodegradable lubricating oil</li> <li>○Sales launch of "Shinsei" chlorine-free diesel engine oil</li> <li>○Cosmo Environmental Report published</li> </ul>		<ul style="list-style-type: none"> <li>○First Follow-up of Keidanren Voluntary Action Plan on the Environment</li> <li>○PRTR Law (on pollutant release and transfer registers) promulgated</li> <li>○COP5 of the UNFCCC (Bonn)</li> </ul>
2000	<ul style="list-style-type: none"> <li>○Sakaide Refinery received National Resources and Energy Agency's Director-General's Award</li> <li>○The Cosmo Oil Group "Industrial Waste Management Regulations" established</li> </ul>	<ul style="list-style-type: none"> <li>○Benzene content in gasoline reduced to less than 1 vol %</li> </ul>	<ul style="list-style-type: none"> <li>○COP6 of the UNFCCC (the Hague)</li> <li>○Basic Law for Establishing a Recycling-Based Society promulgated in Japan</li> <li>○Law Concerning the Promotion of Procurement of Eco-Friendly Goods and Services by the State and Other Entities promulgated</li> <li>○Waste Disposal and Public Cleansing Law amended</li> <li>○UN's announcement of "Global Compact"</li> </ul>
2001	<ul style="list-style-type: none"> <li>○Cosmo Oil Environmental Report 2001 published</li> <li>○Chiba Refinery received commendation from Minister of Health, Labour and Welfare</li> <li>○Received the Award for Excellent Companies in the 11th Grand Prize for the Global Environment Award</li> <li>○Yokkaichi Refinery received Fire Defense Agency's Director-General's Award at Convention on Hazardous Materials</li> </ul>	<ul style="list-style-type: none"> <li>○Maximum summer gasoline vapor pressure reduced to 72kPa</li> </ul>	<ul style="list-style-type: none"> <li>○COP7 of the UNFCCC (Marrakech)</li> <li>○Law Concerning Special Measures against PCB Waste promulgated</li> <li>○Central Environment Council (Japan's top government advisory body on the environment) issues recommendation on soil conservation methods</li> </ul>
2002	<ul style="list-style-type: none"> <li>○Cosmo the Card "Eco" issued</li> <li>○Awarded the 5th Prize for Excellence in Environmental Reporting (jointly hosted by TOYO KEIZAI INC. and the Green Reporting Forum)</li> <li>○Commence sales of diesel fuel with sulfur content of 50ppm</li> <li>○Succeed in development of production of liquid fuel from natural gas (GTL)</li> </ul>		<ul style="list-style-type: none"> <li>○The World Summit on Sustainable Development (2nd Earth Summit in Johannesburg)</li> <li>○Framework Convention on Climate Change COP8 held in New Delhi</li> <li>○Soil Contamination Countermeasures Law comes into effect</li> <li>○Energy Saving Law amended</li> <li>○Automobile Recycling Law comes into partial effect</li> <li>○Japanese government ratifies Kyoto Protocol</li> <li>○Iraq war</li> <li>○Cabinet approval of "Nippon Comprehensive Strategy for Biomass."</li> </ul>
2003	<ul style="list-style-type: none"> <li>○Diesel fuel oil with a sulfur content of 50 ppm introduced.</li> <li>○Succeed in reduction of volume of excess sludge generated by refinery</li> <li>○Yokkaichi Refinery 2nd cogeneration plant came into operation</li> <li>○Cosmo Oil Yokkaichi Kasumi Power Plant opens for IPP business (wholesale supply of electric power)</li> </ul>		<ul style="list-style-type: none"> <li>○Partial amendment of Permitted Limits on Characteristics of Automobile Fuel and Permitted Limits on Volumes of Substances Included in Automobile Fuel</li> <li>○Framework Convention on Climate Change COP9 held in Milan</li> <li>○Start of EU ETS (European Union Emissions Trading System)</li> </ul>
2004	<ul style="list-style-type: none"> <li>○Sakaide Refinery received Fire Defense Agency's Director-General's Award at Convention on Hazardous Materials</li> <li>○Sakaide Refinery received the Energy Conservation Center Director's Award (Energy Conservation: Excellent Case Presentation)</li> <li>○Introduction of FCC gasoline desulfurization unit at Chiba, Yokkaichi and Sakaide Refineries</li> <li>○Participation in GG-CAP (scheme for acquiring emissions rights) operated by Natsource</li> </ul>	<ul style="list-style-type: none"> <li>○Supply of sulfur free gasoline and diesel fuel commences (sulfur content of 10ppm or less)</li> </ul>	<ul style="list-style-type: none"> <li>○Kyoto Protocol entered into force</li> <li>○Projection on the Guideline of Measures to Prevent Global Warming</li> <li>○COP10 of the UNFCCC (Buenos Aires)</li> </ul>
2005	<ul style="list-style-type: none"> <li>○Agreement on "Human Rights," "Labour," "Environment," and "Corruption Prevention" specified in the UN Global Compact</li> <li>○Minister's Prize received for the "Green and Sustainability Chemistry Awards" thanks to environment-friendly technology for manufacturing ultra-sulfur-poor fuel</li> <li>○Start of demonstration of household fuel cell systems</li> </ul>	<ul style="list-style-type: none"> <li>○Maximum summer gasoline vapor pressure reduced to 65kPa</li> </ul>	<ul style="list-style-type: none"> <li>○Cabinet approval of "Plan for Achieving Compliance with Kyoto Protocol"</li> <li>○COP 11 and COP/MOP 1 of the UNFCCC (Montreal)</li> </ul>
2006	<ul style="list-style-type: none"> <li>○An explosion and fire occurred near the Vacuum Gas Oil Desulfurization Unit and the Hydrogen Production Unit No.1 at the Chiba Refinery.</li> <li>○Unauthorized repair work was found to have occurred at four refineries in violation of the High-Pressure Gas Safety Law, the Industrial Safety and Health Law and Fire Defense Law, and administrative penalties subsequently were imposed.</li> </ul>		<ul style="list-style-type: none"> <li>○Conference of the Parties to the Climate Change Convention (COP12) and the second meeting of the Parties to the Kyoto Protocol (COP/MOP2) were held in Nairobi.</li> </ul>