

Steps in Environmental Activities

Cosmo Oil Group	
1986	<p>Cosmo Oil Co., Ltd. established</p> <p>Establishment of the Environment and Safety Control Department at company headquarters, Environmental and Safety Offices at oil refineries</p> <p>Establishment of Environmental Safety Administration Rule and Environmental Safety Countermeasures Headquarters Rule</p> <p>Establishment and execution of yearly safety goals: All-Employee No Accident, No Disaster and Using Originality to Create Environmental Preservation</p> <p>Establishment and execution of yearly environmental safety inspections in oil refineries and oil storage depots, based on environmental safety inspection points</p>
1987	Completion of the FCC exhaust gas desulfurization unit at Sakai Oil Refinery
1988	Start of spent grain drying business at Sakai Oil Refinery
1989	
1990	Completion of cogeneration facilities at Yokkaichi Oil Refinery
1991	Dispatch of oil spill prevention expert team to the Persian Gulf
1992	<p>Installation of atmospheric distillation flue gas denitration unit at Sakai Oil Refinery</p> <p>Installation of spent grain drying unit at Chiba Oil Refinery</p>
1993	<p>Decision on Global Environment Action Program and submission to the Ministry of International Trade and Industry</p> <p>Establishment of the Global Environment Committee, enactment of Global Environmental Committee rules</p>
1994	<p>The First Global Environment Committee (Action Group) meeting is held, to be held annually thereafter</p> <p>Environment Inspection Point safety inspection system enacted (abolition of former points)</p> <p>Establishment of annual "Challenging Global Environmental Problems" goals</p> <p>Introduction and execution of annual environmental inspection of oil refineries and oil storage depots, based on environmental inspection points</p> <p>Completion of diesel fuel desulfurization unit at Chiba Oil Refinery</p>
1995	<p>Completion of cogeneration facilities at Sakai Oil Refinery</p> <p>Sakai Oil Refinery receives Director-General's National Resources and Energy Award for excellent industrial energy management</p> <p>Introduction of industry-first 24-kiloliter tank truck</p> <p>Comprehensive Disaster Countermeasures Rule and Detailed Comprehensive Disaster Countermeasures Rule enacted (superceding previous rule and detailed regulations)</p>
1996	<p>Environmental action plans follow-up result report prepared and submitted to the Ministry of International Trade and Industry</p> <p>Certification to ISO 9002 at Sakaide Oil Refinery and Chiba Oil Refinery</p> <p>Completion of cogeneration facilities installation at Chiba Oil Refinery</p> <p>Completion of diesel fuel desulfurization unit at Sakai Oil Refinery</p>
1997	<p>In response to a major oil spill on the Japan Sea coast by the Russian tanker <i>Nakhodka</i>, the Nakhodka Oil Spill Support Team was established</p> <p>Certification to ISO9002 at Sakai Oil Refinery, Yokkaichi Oil Refinery, and Cosmo Matsuyama Oil Co., Ltd.</p> <p>Certification to ISO14001 at Sakaide Oil Refinery</p> <p>Start of environmental impact assessment at Cosmo Oil's Yokkaichi Kasumi Electric Power Plant (IPP)</p> <p>Sakaide Oil Refinery receives Energy Conservation Center Chairman's Prize</p>
	 <p>Diesel fuel desulfurization unit</p>  <p>SQ product quality mark</p>  <p><i>Nakhodka</i> oil spill, Fukui, Japan</p>
1998	<p>Introduction of double-hull charter tanker</p> <p>Certification to ISO14001 at Chiba Oil Refinery, Yokkaichi Oil Refinery, Sakai Oil Refinery and Cosmo Matsuyama Oil Co., Ltd.</p> <p>Completion of gasoline benzene reduction unit</p> <p>Completion of No. 2 atmospheric distillation unit heating denitrification unit at Chiba Oil Refinery</p>
1999	<p>Sales begin of Terra series of biodegradable lubricating oil</p> <p>Sales begin of Shinsei non-chlorine diesel engine oil</p>
2000	<p>Start of full-scale development of oil-based fuel cell</p> <p>Sakaide Oil Refinery receives Director-General's National Resources and Energy Award</p> <p>Opening of Cosmo Customer Center</p> <p>Enactment of industrial waste management rule</p>

Petroleum Industry

Society

Law of Import Restriction on Specific Petroleum Products enacted

Adoption of the Montreal Protocol, a treaty for the protection of the ozone layer

Exxon Valdez oil spill, Alaska



Gulf War begins
Massive oil spills in the Persian Gulf
Decision on Keidanren Global Environmental Charter

Gulf War: oil spills on the Persian Gulf result in major environmental damage.
Photo: oil wells in flames

Reduction of sulfur content in diesel fuel to less than 0.2 percent

Adoption of United Nations Framework Convention on Climate Change
United Nations Conference on the Environment and Development (Global Summit) held
Request for preparation of Ministry of International Trade and Industry Environmental Voluntary Plan

Basic Environment Law enacted

The United Nations Framework Convention on Climate Change in effect
Cabinet decision on Basic Environment Plan



Large tanker truck, 15 meters long, 24 kiloliter capacity

The First Conference of the Parties to the United Nations Framework Convention on Climate Change (COP1) is held (Berlin)
The Great Hanshin-Awaji Earthquake

Petroleum Association of Japan enacts the Management Plan Concerning Harmful Air Pollutants Independent Management Plan
Law of Import Restriction on Specific Petroleum Products enacted repealed
Reduction of benzene content in gasoline to less than five percent

ISO 14001 environmental management standard enacted
The Second Conference of the Parties to the United Nations Framework Convention on Climate Change (COP2) is held (Geneva)
Enforcement of Law on the Quality Control of Gasoline and Other Fuels
Decision on Keidanren Appeal on Environment – Declaration on Voluntary Action of Japanese Industry Directed at Conservation of Global Environment in the 21st Century



Greenhouse gas reduction consultation at COP3, Kyoto

Reduction of sulfur content in diesel fuel to less than 0.05 percent
The Petroleum Association of Japan enactment of the Petroleum Industry Global Environmental Protection Independent Action Plan

Nakhodka oil spill
Amendment of Law concerning Rational Use of Energy
Amendment of Waste Disposal and Public Cleansing Law
Revision of Electric Utilities Industry Law related Environmental Impact Assessment Law
Partial revision of enforcement of Air Pollution Control Law
Decision on The Self-Active Action Program for Global Environmental Conservation by the Petroleum-Association of Japan-related Keidanren Appeal on Environment
The Third Conference of the Parties to the United Nations Framework Convention on Climate Change (COP3) is held (Kyoto)

Suspension of ban on self-serve service stations



Self-service Cosmo Oil service station

Decision outline for promotion of efforts to prevent global warming
Proclamation of Law Concerning the Promotion of the Measures to Cope with Global Warming
The Fourth Conference of the Parties to the United Nations Framework Convention on Climate Change (COP4) is held (Buenos Aires)

First Follow-up of Keidanren Voluntary Action Plan on the Environment
Proclamation of Law Concerning Reporting of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management (The PRTR Law)
Proclamation of Law Concerning Special Measures against Dioxins
Fifth Conference of the Parties to the United Nations Framework Convention on Climate Change (COP5) is held (Bonn)

Based on the Air Pollution Control Law and Quality Control of Gasoline and Other Fuels, benzene levels in gasoline are reduced to less than one percent

Sixth Conference of the Parties to the United Nations Framework Convention on Climate Change (COP6) is held (The Hague)
Proclamation of Basic Law for Establishing the Recycling-Based Society
Proclamation of the Law on Promotions Green Purchasing
Amendment to Waste Disposal and Public Cleansing Law