

Environmental Activities — Milestones

FY	The Cosmo Oil Group
1986	<ul style="list-style-type: none"> • Cosmo Oil Co., Ltd. established • <i>Regulations on Environment and Safety Management</i> and <i>Regulations for the on Comprehensive Safety Action Headquarters</i> enacted
1987	<ul style="list-style-type: none"> • FCC exhaust gas desulfurization unit at Sakai Refinery completed
1989	
1990	<ul style="list-style-type: none"> • Cogeneration facilities at Yokkaichi Refinery completed
1991	<ul style="list-style-type: none"> • The Cosmo Oil Group dispatches oil spill prevention expert team to the Persian Gulf
1992	<ul style="list-style-type: none"> • Atmospheric distillation flue gas denitrification unit installed at Sakai Refinery
1993	<ul style="list-style-type: none"> • The Cosmo Oil Group's <i>Global Environment Action Program</i> submitted to Japan Ministry of International Trade and Industry • Establishes Global Environment Committee, adopts committee regulations
1994	<ul style="list-style-type: none"> • First annual Global Environment Committee meeting held, eight subcommittees created • Starts setting environmental targets annually, based on "Global Environmental Initiatives" document • Diesel fuel desulfurization unit at Chiba Refinery completed
1995	<ul style="list-style-type: none"> • Cogeneration facilities at Sakai Refinery completed • Sakai Refinery receives National Resources and Energy Agency's Director-General's Award for excellence in industrial energy management
1996	<ul style="list-style-type: none"> • Environmental Action Plan Follow-Up Report submitted to Ministry of International Trade and Industry • Cogeneration facilities at Chiba Refinery completed • Diesel fuel deep desulfurization unit at Sakai Refinery completed
1997	<ul style="list-style-type: none"> • Establishes Nakhodka Oil Spill Support Team in response to major oil spill on the coast of the Sea of Japan caused by Russian tanker Nakhodka • Sakaide Refinery obtains ISO14001 certification • Environmental impact assessments begin at Cosmo Oil's Yokkaichi Kasumi Electric Power Plant (IPP) • Sakaide Refinery receives Energy Conservation Center's Chairman's Prize
1998	<ul style="list-style-type: none"> • Introduces double-hulled tankers on regular routes • Chiba, Yokkaichi, and Sakai refineries and Cosmo Matsuyama Oil Co. obtain ISO 14001 certification • Gasoline benzene reduction unit completed • No. 2 atmospheric distillation flue gas denitrification unit completed at Chiba Refinery
1999	<ul style="list-style-type: none"> • Sales launch of "Terra Series" biodegradable lubricating oil • Sales launch of "Shinsei" chlorine-free diesel engine oil
2000	<ul style="list-style-type: none"> • Sakaide Refinery receives National Resources and Energy Agency's Director-General's Award • Cosmo Customer Center opened • The Cosmo Oil Group "Industrial Waste Management Regulations" established
2001	<ul style="list-style-type: none"> • Cosmo Oil Environmental Report 2001 published • Chiba Refinery receives commendation from Minister of Health, Labour and Welfare • Receives the Award for Excellent Companies in the 11th Grand Prize for the Global Environment Award • Yokkaichi Refinery receives Fire Defense Agency's Director-General's Award at Convention on Hazardous Materials
2002	<ul style="list-style-type: none"> • Cosmo The Card (Eco) issued • Awarded the 5th Prize for Excellence in Environmental Reporting (jointly hosted by TOYO KEIZAI INC. and the Green Reporting Forum) • Commence sales of diesel with sulfur content of 50ppm • Succeed in development of production of liquid fuel from natural gas (GTL)
2003	<ul style="list-style-type: none"> • Succeed in reduction of volume of excess sludge generated by refinery • Yokkaichi Refinery 2nd cogeneration plant comes into operation • Cosmo Oil Yokkaichi Kasumi Power Plant opens for IPP business (wholesale supply of electric power) • Succeed in production of hydrogen for fuel cell cars using GTL

Japan and the world • Oil industry

- Completes unleading of premium gasoline
 - Provisional Measures Law Relating to Imports of Specified Oil Products comes into effect
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- Montreal Protocol (of the international Convention for the Protection of the Ozone Layer) adopted
- Exxon Valdez runs aground, causes huge oil spill off the coast of Alaska
- Gulf Crisis began • Massive oil spills in the Persian Gulf
- Keidanren adopts “Keidanren Global Environmental Charter”
- Sulfur content in diesel reduced to less than 0.2%
 - United Nations Framework Convention on Climate Change adopted • United Nations Conference on the Environment and Development (Earth Summit)
 - Japan’s Ministry of International Trade and Industry requests companies to prepare Voluntary Environmental Plans
- Japan’s Basic Environment Law enacted
- United Nations Framework Convention on Climate Change (UNFCCC) enters into force
 - Cabinet decision approves Japan’s Basic Environment Plan
- First Session of the Conference of the Parties (COP1) to the UNFCCC (Berlin)
 - The Great Hanshin-Awaji Earthquake
- Petroleum Association of Japan (PAJ) formulates Voluntary Plan for Control of Hazardous Air Pollution Substances
 - Benzene content in gasoline reduced to less than 5 vol % • Provisional Measures Law Relating to Imports of Specified Oil Products abolished
 - ISO 14001 (international standard for environmental management systems) created • COP2 of the UNFCCC (Geneva)
 - Japan’s Law on the Quality Control of Gasoline and Other Fuels enters into force • Keidanren Appeal on Environment is formulated (Declaration on Voluntary Action of Japanese Industry Directed at Conservation of Global Environment in the 21st Century)
- Sulfur content in diesel reduced to less than 0.05%
 - PAJ formulates Oil Industry Voluntary Plan of Conduct for Environmental Conservation
 - Nakhodka oil spill • Amendment of Law concerning the Rational Use of Energy • Amendment of Waste Disposal and Public Cleansing Law
 - Environmental Impact Assessment Law enacted, followed by amendment of Electric Utilities Industry Law • COP3 of the UNFCCC (Kyoto)
- Lifting on the ban on self-service service stations
 - Law Concerning the Promotion of Measures to Cope with Global Warming enacted
 - Cabinet decision adopts national Guideline of Measures to Prevent Global Warming
 - COP4 of the UNFCCC (Buenos Aires)
- First Follow-up of Keidanren Voluntary Action Plan on the Environment • PRTR Law (on pollutant release and transfer registers) promulgated
 - Law Concerning Special Measures against Dioxins promulgated • COP5 of the UNFCCC (Bonn)
- Benzene content in gasoline reduced to less than 1 vol %
 - COP6 of the UNFCCC (the Hague) • Basic Law for Establishing a Recycling-Based Society is promulgated in Japan
 - Law Concerning the Promotion of Procurement of Eco-Friendly Goods and Services by the State and Other Entities is promulgated
 - Waste Disposal and Public Cleansing Law is amended
- Maximum summer gasoline vapor pressure reduced to 72kPa
 - COP7 of the UNFCCC (Marrakech)
 - Law Concerning Special Measures against PCB Waste is promulgated
 - Central Environment Council (Japan’s top government advisory body on the environment) issues recommendation on soil conservation methods
- Framework Convention on Climate Change COP8 held in New Delhi
 - Soil Contamination Countermeasures Law comes into effect • Energy Saving Law amended
 - Automobile Recycling Law comes into partial effect
 - Japanese government ratifies Kyoto Protocol • Iraq war
- Ministry of the Environment establishes Business Practice Research Council Relating to Trading of Emission Volumes of Greenhouse Gases
 - Partial amendment of Permitted Limits on Characteristics of Automobile Fuel and Permitted Limits on Volumes of Substances Included in Automobile Fuel
 - Framework Convention on Climate Change COP9 held in Milan
 - Ministry of the Environment prepares Low Pollution Car Guidebook 2003