

## Research and Development Center

Address: 1134-2 Gongendo, Saitama-shi, Saitama-ken  
 Start of operations: April 1969  
 Area: 86,200 m<sup>2</sup>  
 Employees: 109

## Cosmo Oil Lubricants Co., Ltd.

Address: 4-9-25, Shibaura, Minato-ku, Tokyo  
 Start of operations: April 1988  
 Employees: 200  
 Business activities: Manufacturing, research and sales of lubricating oils and other products

### Research and Development Center Regulated Pollutants

Water Pollutants	Pollutant	Regulation	Type of control	Standard	Performance	
					Maximum	Average
	COD (mg/L)	Water Pollution Control Law	Concentration control	160 (120)	19.5	10.2
	SS (mg/L)	Prefectural ordinance	Concentration control	60 (50)	7	5
	Oil content (mg/L)	Water Pollution Control Law	Concentration control	5	1	1
	Nitrogen (mg/L)	Water Pollution Control Law	Concentration control	120 (60)	8	6
	Phosphorus (mg/L)	Water Pollution Control Law	Concentration control	16 (8)	1.0	0.8
	Phenol (mg/L)	Prefectural ordinance	Concentration control	1	Below measurement threshold	

Figures in parentheses = daily average

### Research and Development Center; Cosmo Oil Lubricants Co., Ltd. Environmental Accounting

Item	Environmental cost (million yen)	
	Investment amount	Expenditure amount
1 Business area costs	0	0
Pollution prevention costs	0	0
Global environmental conservation costs	0	0
Resource circulation costs	0	0
2 Upstream/downstream costs	0	100
Product environmental impact reduction costs	0	0
Product sulfur reduction costs	0	0
Gasoline	0	0
Naphtha	0	0
Jet fuel oil	0	0
Kerosene	0	0
Diesel fuel	0	0
Heavy fuel oil A	0	0
Heavy fuel oil C	0	0
LPG	0	0
Costs of substituting toxic substances in gasoline	0	0
Costs of aromatics reduction in petrochemical products	0	0
Green procurement costs	0	100
3 Management activity costs	0	0
4 Research and development costs	0	1,462
5 Social activity costs	0	0
Total	0	1,562

Notes on the expenditure amount for FY 2001  
 100 million yen for green procurement in the upstream/downstream costs:  
 Expenditure associated with the green procurement of raw materials for lubricating oils (Cosmo Oil Lubricants)  
 Research and development costs of 1,462 million yen:  
 Expenditure for research and development for environmental protection (Research and Development Center)

#### Economic Benefit (104 million yen)

Benefits from research and development (income from royalties, etc.): 104