

# Cosmo Research & Development Center

as of 31 March, 2004

**Address:** 1134-2 Gongendo, Satte-shi, Saitama-ken

**Start-up:** April 1969

**Total area:** 86,200m<sup>2</sup>

**Employees:** 104



## About Cosmo Research and Development Center

Cosmo Research and Development Center is uniquely located between Satte city, Saitama Prefecture and Goka town, Ibaraki Prefecture. 104 employees are engaged in R&D and commercialization of fuel oils, oil refining catalysts, new energy sources, environmental technology, etc. As the site is located between two prefectures, we are endeavoring to maintain good relationships with the hazardous material safety associations and police friendship clubs in the both prefectures. In relation with hazardous materials and high-pressure gases, we have been operating without a single accident since its establishment in 1969.

As a *Sainokuni Eco-up* declaration business site, which is promoted by Saitama Prefecture, we are also actively implementing global environmental activities including reduction of emissions of CO<sub>2</sub> and industrial wastes.

Satte city is famous for its Sakura-Zutsumi (an embankment with cherry trees). Its cherry blossoms, field mustards and blue sky form a beautiful contrast of colors and many tourists visit there to enjoy the scenery. Our employees are contributing to the local clean-up activities by cleaning up the areas around the embankment twice a year before the cherry blossom festival and in late autumn.

In near future, there will be a park around Miyukiko lake, which is located next to Sakura-Zutsumi. We will pay even more attention to waste water, noise and gas emissions and are committed to symbiosis with the local community.



**Mitsugu Yumoto**  
Director  
Research &  
Development Center

## Regulated pollutants

	Pollutant	Standard	Actual Performance in FY 2003	
			Maximum	Average
Water pollutants	COD (mg/L)	160 (120)	16.4	9.5
	Suspended Solids (mg/L)	60 (50)	9	6
	Oil Content (mg/L)	5	1	1
	Nitrogen (mg/L)	120 (60)	7	6
	Phosphorus (mg/L)	16 (8)	0.9	0.8
	Phenols (mg/L)	1	Below measurement threshold	

Values in ( ) are daily average.

## Environmental accounting

### Environmental costs (million yen)

Item	FY 2003	
	Invest.	Spending
<b>Business area</b>		
Pollution prevention	0	0
Global environmental conservation	0	0
Resource recycling	0	0
<b>Up/Down-stream</b>		
Green Purchasing	0	0
Reduction of environmental impact of products	0	0
<b>Management activity</b>	0	0
<b>Research and Development</b>	54	1,060
<b>Social activity</b>	0	0
<b>Total</b>	54	1,060

Purchasing recycled paper: 1 million yen

### Economic benefits (million yen)

Item	FY 2003
Benefits of research and development (royalty, etc.)	49
<b>Total</b>	49



## Number of staff holding environmental qualifications

Air pollution control manager	4
Water pollution control manager	5
Dioxin pollution control manager	1
Hazardous materials officer (Class A & B)	80
High-pressure gas production safety manager (Class A & B)	36
Qualified person for heat management	1
Specially controlled industrial waste manager	1
Engineering manager for disposal facilities of industrial waste	1
Environmental Certified Measurer	1
Boiler operator (1st & 2nd grade)	8