

Dalian is located in the southern part of Liaodong peninsula in China.

An aerial photograph of a city, likely Shanghai, China. The image shows a dense urban landscape with numerous high-rise buildings. In the foreground, there is a large, circular plaza with a central green area and a white circular structure. A multi-lane road curves around the plaza. In the background, a prominent, tall, blue skyscraper stands out against the sky. The overall scene is a mix of modern architecture and older buildings.

The total population of 5.9 million

The total land area of 12,573.85 km² including urban area of 2,414.96 km²

The total GDP of RMB 123.56 billion

Total RMB 3.5 billion for I.R.T



Air quality in 2002

INDEX	Dust	PM ₁₀	NO ₂	CO	SO ₂
VALUE	17.1T/km ²	0.09mg/m ³	0.023mg/m ³	0.54mg/m ³	0.035mg/m ³

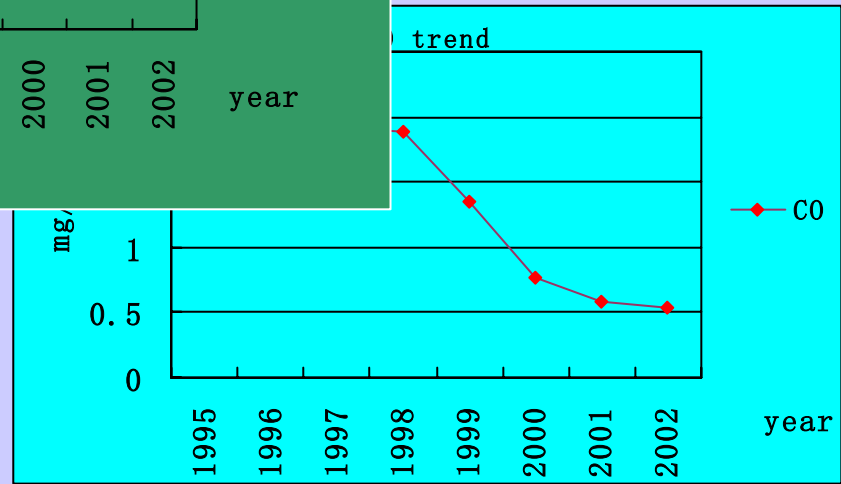
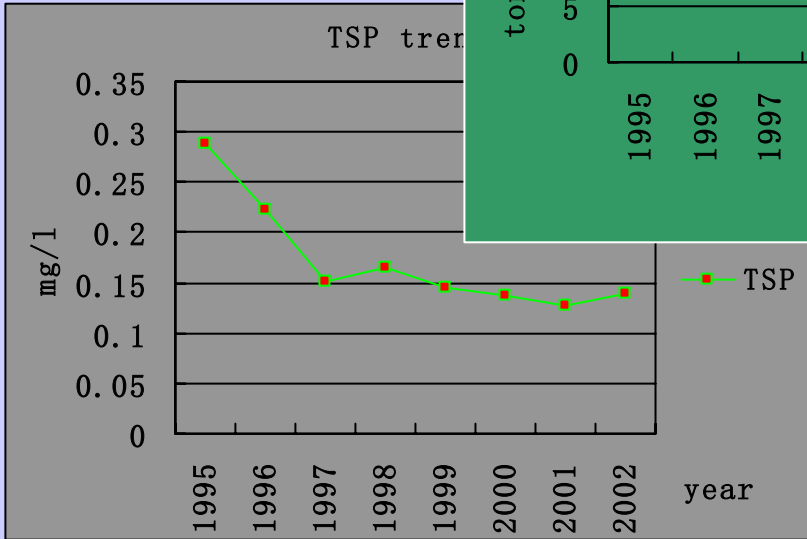
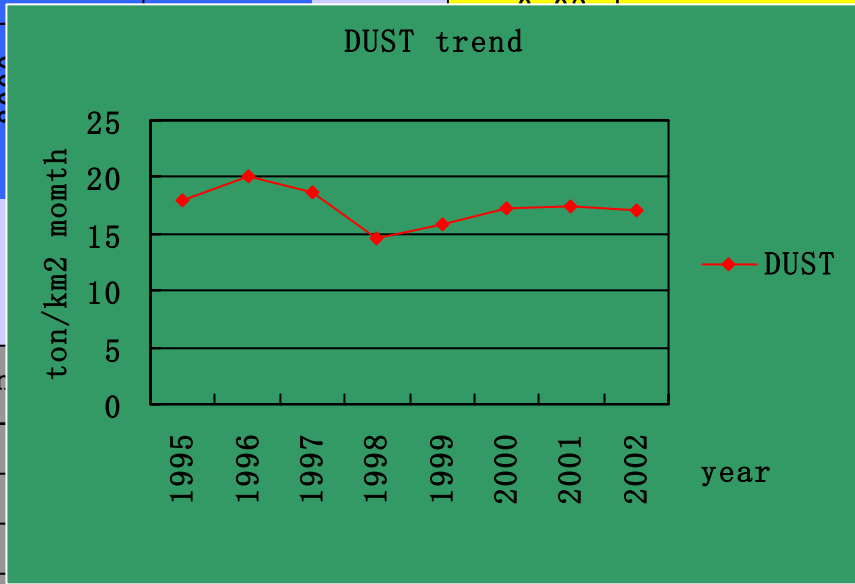
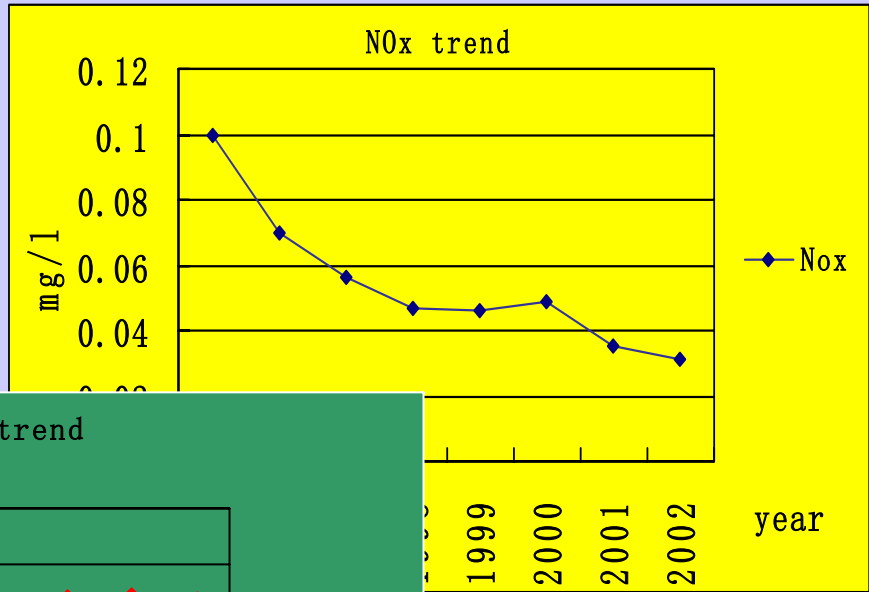
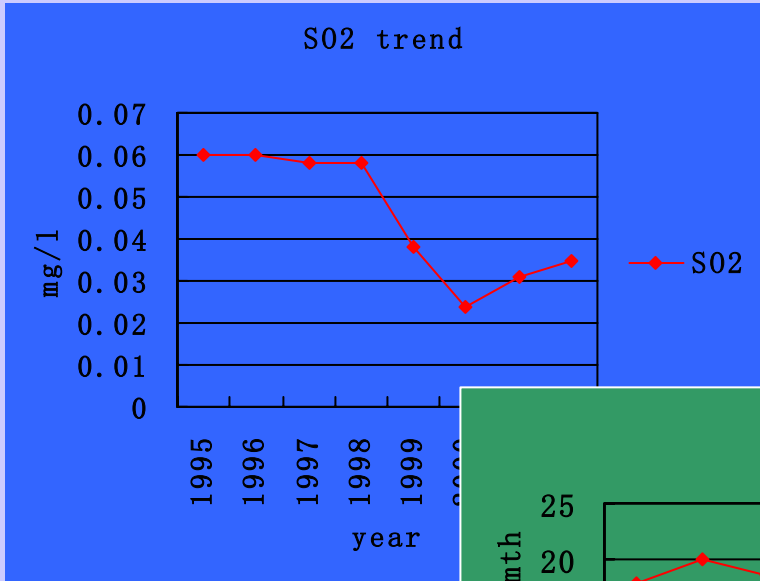
The circumlittoral seawaters quality in 2002

unit:mg/l

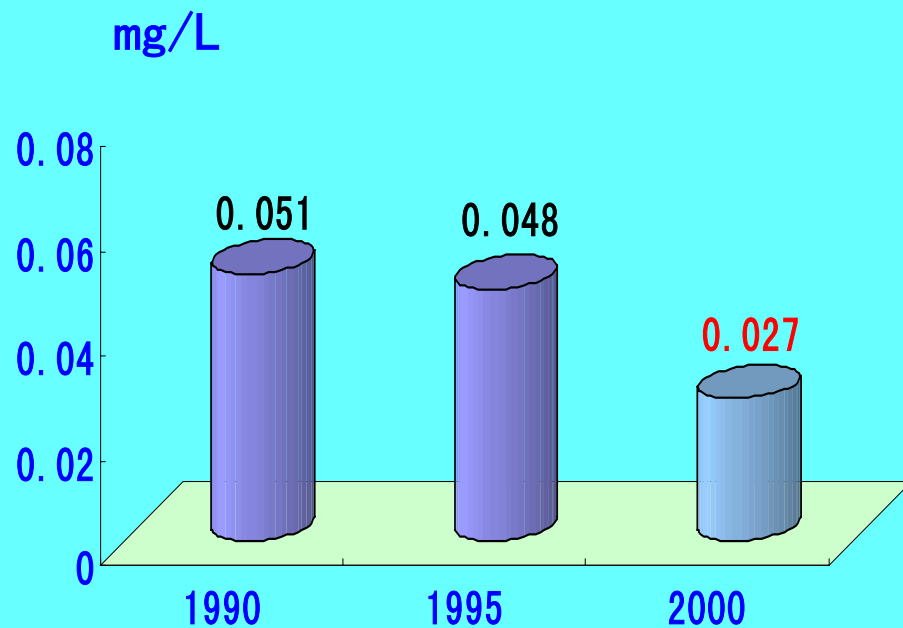
Pollutants	Inorganic-nitrogen	Petroleum	Phosphate
Value	0.190	0.021	0.0114

Some digital statistic for decreased pollutant through industrial Relocation and Transformation in 2000

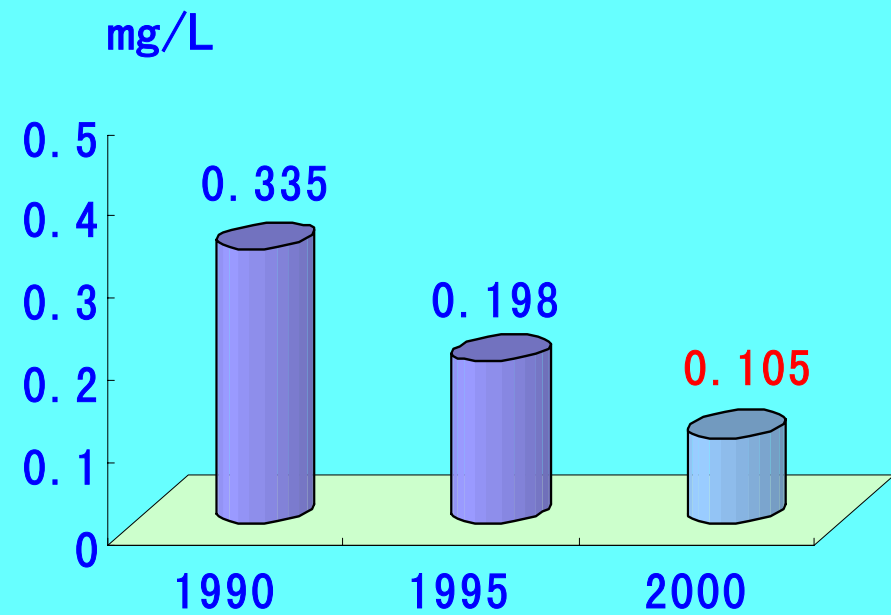
Pollutant	Decreased Amount	Decrease Rate
Waste water	21.69 million tons	6.7 %
COD	40 thousand tons	68 %
Petroleum	92.6 tons	20.4 %
Gas	4.7 billion m ³	4 %
Dust	1148 tons	5.3 %
Smoke	2385 tons	6.7 %
Solid waste	19.5 tons	7.6 %



The circumlittoral seawater quality has obviously been improved. Especially, the main pollutants declined evidently in the southern marine area.



Oils



Inorganic nitrogen

The measures and methods taken for industrial relocation and transformation

- ◆ Making transformation in the new address
- ◆ Shutting down
- ◆ Incorporation
- ◆ Shrinking the large scale enterprise
- ◆ Selling

The key enterprises of relocation and transformation

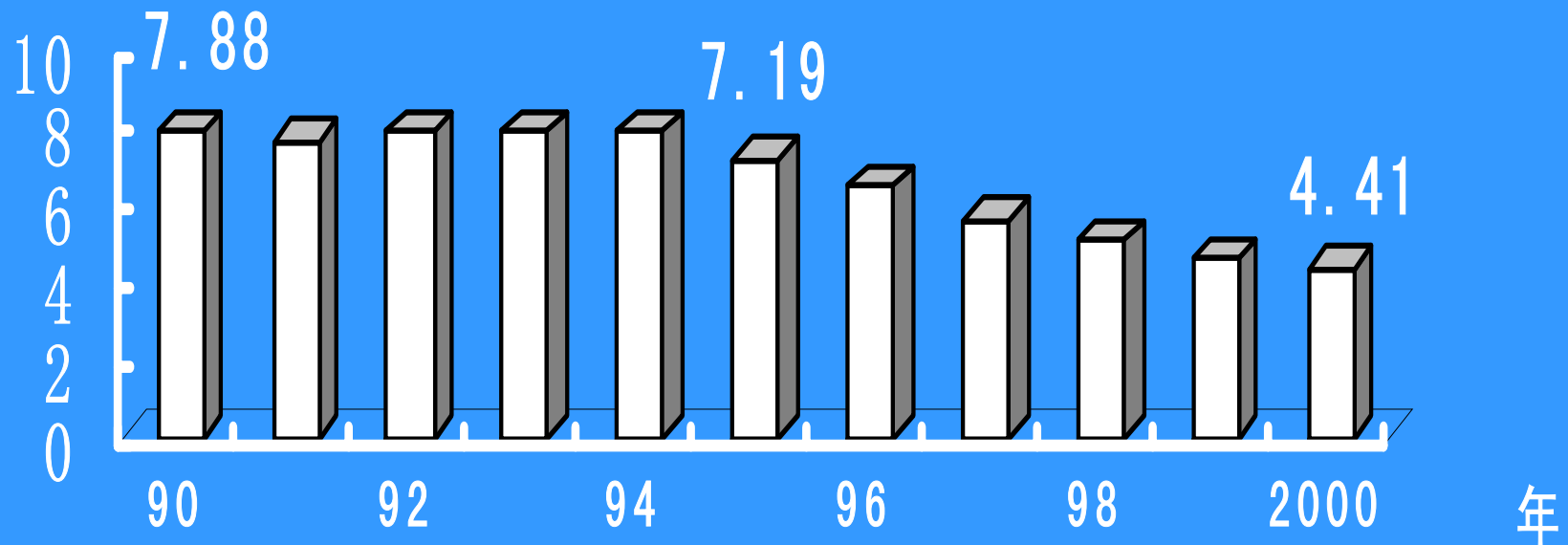
- **The product of noncompetitive ability,obsolete equipment,low profit**
- **The heavy pollution enterprises**
- **Locating in the good business area**

The relevant policies and regulations

- **Forming a group of leadership**
- **Simplifying the approval and examination procedure**
 - **40-70 % of all removal fee and land sale fund**
- **A series of preferential policies of local revenue exemption**

The air comprehensive pollution index had dropped down from 7.88 in 1990 to 4.44 in 2000

air comprehensive pollution index



The air comprehensive pollution index in Dalian

Some unsuccessful experiences

- ◎ several unreasonable relocation address**
- ◎ Some left land of potential pollution problem**
 - ◎ Sale problem of new product**
 - ◎ Unemployment**

General conclusion

- ★Asset increment
- ★Industry transformation and development
- ★Rational city layout and economic development
- ★Pollution decrement
- ★Inviting foreign investment

