

NGK Group Companies Overseas SITE REPORT 2009

NGK INSULATORS TANGSHAN CO., LTD.

Address 188 Huoju Road Tangshan New & High Technology Development, Hobei 063020, China

Major Production Items Manufacture and sale of insulators



Brief Explanation of the Company

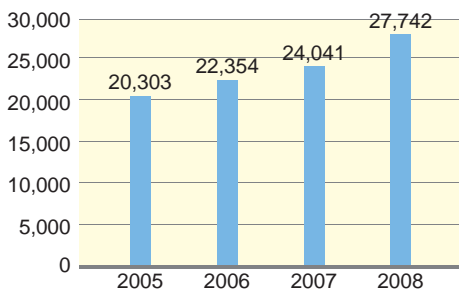
Since the launch of production in 1998, the company has shipped products overseas as well as meeting the needs of the domestic market. As an overseas Group company, we were quick to introduce the ISO14001 environmental management system. The company was ISO14001-certified by SGS, an ISO certification organization in the U.K., in 2002. The company has now upgraded its certification status to the latest ISO14001:2004 and continues to make sustained daily efforts to improve its environmental management system.

Activities in FY2008

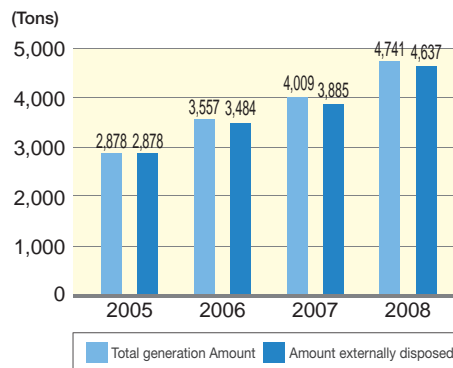
Priority Activities in FY2008: Implementing and Evaluating Environmental Performance

- Compliance with Laws and Ordinances: Met legally-mandated values for atmosphere, water quality, noise, and particulates.
- CO₂ emissions: Switching to natural gas for firing reduced CO₂ emissions from the firing process drying process by 10% from FY2007.
- Despite increased production, improvements in the yield process reduced by-products generated per production volume unit by 7% from FY2007.

Shift of Generation of Energy-Oriented CO₂
(Ton-CO₂)



Generation of By-Products
(Tons)



Data relating to Pollution Prevention

Air		
Substances (unit)	Regulation values	Actual measurement
NOx (mg/Nm ³)	240 ^{*1}	35.7
Soot and dusts (mg/Nm ³)	200 ^{*2}	43.3
SOx (mg/Nm ³)	1,430 ^{*2}	40.7

Note: Applicable Laws

*1: Criteria for total discharge of atmospheric pollutant

*2: Criteria for emission of atmospheric pollutant from industrial furnaces GB9078-1996

Effluent		
Substances (unit)	Regulation values	Actual measurement
pH	6.0 ~ 9.0	7.91 ~ 7.93
SS (mg/l)	400	74 ~ 76
BOD (mg/l)	300	1.18 ~ 1.23
COD (mg/l)	500	27.9 ~ 29.9

Note: Applicable Laws

Criteria for total discharge of sewage
 GB8978-1996

pH: Concentration of hydrogen ions

SS: Suspended solids in water

BOD: Biochemical oxygen demand

COD: Chemical oxygen demand

Accidents and Law Suits Related to the Environment

Nothing