

NGK Group Companies Overseas SITE REPORT 2009

SIAM NGK TECHNOCERA CO., LTD.

Address 11 Moo 1, SIL Industrial Land Bua-Luay Nong Khae Saraburi, Thailand

Major Production Items Manufacture and sale of refractories



Brief Explanation of the Company

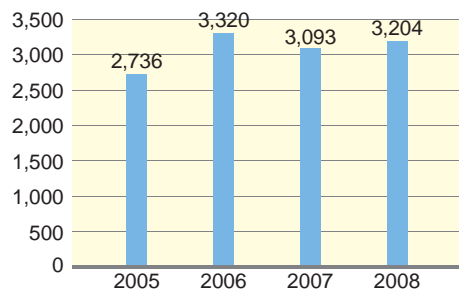
Since establishment of a plant in the SIL industrial complex in Thailand in 1997, this company has been working for expanding its markets in various corners of Asia. Environmental conservation gains more attentions in Thailand year by year, and production can hardly be expanded without taking actions to protect the environment. Due to this, the company is working for acquiring ISO14001 certification at the end of 2010.

Activities in FY2008

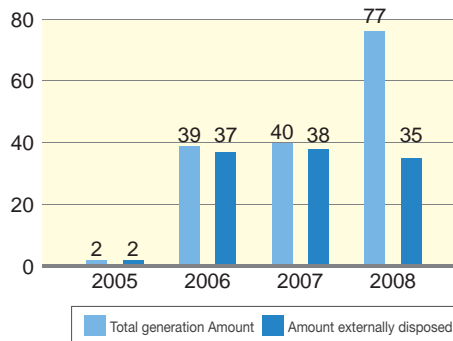
Main Activities: Improved environmental performance by implementing energy-conserving measures in concert with the government of Thailand and by promoting measures to conserve resources.

- Cut energy use by 6% from FY2007 under the direction of the energy-saving agency of the government of Thailand, based on measures including voltage regulation and thermal and air leak prevention.
- Raised energy conservation awareness by informing all employees in detail of the current energy conservation status.
- In building on our efforts from FY2007, we seek to reduce resource use by improving productivity and to reduce the amount of gas used by improving kiln loading efficiency.

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 (ppm)	200	7.62 ~ 13.71
Particulates (mg/Nm ³)	320	18.66 ~ 56.82
CO (mg/m ³)	690	4.32 ~ 11.52

Note: Applicable Laws:
 Industrial ministry law (year 2006)

Effluent		
Substances (unit)	Regulation values	Actual measurement
pH	5.0 ~ 9.0	6.6 ~ 7.6
SS (mg/l)	250	28 ~ 86
BOD (mg/l)	500	13 ~ 44
COD (mg/l)	700	45 ~ 142
Oil (mg/l)	10	2 ~ 4.5

Note: Applicable Laws:
 SIL Regulation Limit
 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