

Promoting comprehensive environment and safety measure activities in China



China has the world's largest population at 1.3 billion. While it enjoys rapid economic growth, environmental issues have become conspicuous.

The Nitto Denko Group companies in China tackle environmental conservation. This section introduces the activities of Nitto Denko (Shanghai Songjiang) (hereafter, NSS), a wholly owned subsidiary of Nitto Denko established in 1995 as the second manufacturing base in China. The company started substantial operations in 1998 and now produces lead-free polyvinyl chloride (PVC) tape, polymer reverse osmosis membrane modules, and other products. The products are used not only in China but also in many parts of the world.

NSS is the most active about environment and safety activities among the thirteen manufacturing group companies in China and is a member of the Environment and Safety Sector Global Meeting. The company is also included in the Group's environmental accounting and is an execution organization of the Environmental Voluntary Plan.

NSS cares about the company, employees, society, China, and the world and aims to be a safe and employee-friendly organization that does not make an impact on the environment and strives to acquire integrated certification on the environment, safety, and quality (ISO 14001, OHSAS 18001 and ISO 9001), in addition to the quality standard certification that the company has already acquired.

Company Profile

Company name: Nitto Denko (Shanghai Songjiang) Co., Ltd.
(100% subsidiary of Nitto Denko Corporation)

Address: Shanghai Songjiang Industrial Zone, No.116 Lianyang Rd.,
Songjiang, Shanghai, China

Capital: US\$41.3 million

Established: December 1995

Number of employees: Approximately 400

International standard certification:

ISO 9002 and QS 9000 acquired concurrently in January 2000
ISO 9001 in May 2003

Major products: Polymer reverse osmosis membrane modules
Lead-free polyvinyl chloride (PVC) tapes
Anticorrosion heat shrinkable tubes (NEO COVER)
Fluoroplastic tapes (NITOFロン tape)



NITOFロン tape

Polymer reverse osmosis membrane modules



Fire and evacuation drill

Dramatic improvement of waste recycling ratio from the previous year

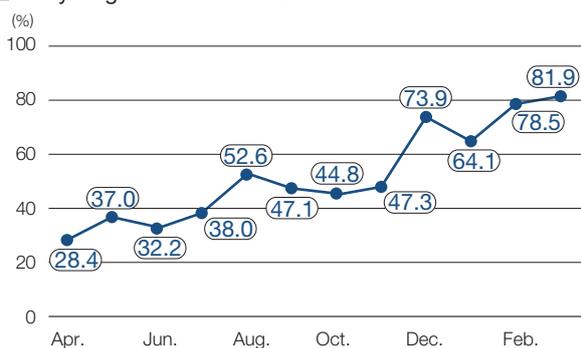
NSS introduced an environmental accounting system in 2002 to improve cost consciousness by knowing the converted monetary value of industrial wastes and to reduce waste generation by the combined efforts of the manufacturing and administration sections. As industrial waste generation is on the increase in line with the increase in production, NSS concentrates its efforts on measures to reduce industrial waste generation and increase recycling.

Measures to reduce the generation include the establishment of a management system for product defect ratios and yields in each process. The system identifies the process where industrial waste is generated and enables us to devise a countermeasure against the source of generation. As a result, the amount of industrial waste generation was reduced by 10% in fiscal 2004.

When we turn our eyes to recycling, NSS started heat recovery from incineration of industrial waste, waste oil, and waste fluids in fiscal 2004, in addition to the conventional effort to recycle the edge of PVC tapes. The result shows dramatic improvement in the recycling ratio from 30% in April 2004 to 82% in March 2005. The company set a target of 90% or over for March 2006 (average for fiscal 2005 was 85%) and is committed to further increase recycling.

Furthermore, NSS achieved a 1,600-ton reduction in monthly water consumption as a result of the promotion of recycling water. For fiscal 2005, it is planning a 28,000-ton reduction in total.

Recycling Ratio of Fiscal 2004



Although we produced significant results in terms of the environment in fiscal 2004 by improving the waste recycling ratio, we would like to tackle global warming, which is a shared global concern. The first priority is safety. We would like our company to contribute to, employees, Songjiang, Shanghai, China, and the world.

Environment and Safety Manager



Staff and a deodorizing furnace

Promoting traffic safety campaign with the local community

At NSS, the president also holds the post of chairman of the total safety organization. The organization conducts a variety of activities in each field of occupational safety, occupational health, environment and safety, fire and disaster prevention, and traffic safety. The activities are based on NSS's unique total safety action plan laid down every year, where the group's policy stipulated at the Environment and Safety Sector Global Meeting →P11-12 is also reflected.

For occupational safety, Risk Prediction Training (KYT) has been conducted since its foundation in 1995, and the risk assessment system has also been introduced to prevent accidents. As for fire accident prevention, the company pays special attention to the human aspect (soft measures), such as educational and training opportunities, while fire extinguishing equipment (hard measures) is readily available.

Due to the characteristics of the Songjiang region where NSS is located, the company places the first priority on traffic safety. Considering the regional traffic conditions where bicycle and motorbike accidents occur frequently, the company provides educational and instructional opportunities to prevent its employees from being involved in such accidents while commuting. The number of traffic accidents where NSS employees were involved increased from two in fiscal 2000 to nine in fiscal 2003. As countermeasures, the company prepared and distributed booklets on traffic safety and traffic hazard maps within the commuting area, while focusing employees' attention on measures for traffic safety by requiring the registration of bicycles and motorbikes, wearing of helmets, having traffic safety committee members check them when they commute, and imposing penalties on violations of the rules. The company also asked the Japanese Enterprise Association in the Songjiang area for cooperation in ensuring traffic safety, thus liaising with the local community. As a result of these efforts, the number of traffic accidents in fiscal 2004 was reduced to one. The company is committed to improve traffic conditions nearby, working together with neighboring companies.