

Supporting Domestic Steel Industry

The constant devotion to environmental protection has made CSC a leader in environmental technology and practice. In recent years CSC has extended its helping hand to domestic steel makers on some major environmental issues.

In 2004 CSC organized a series of professional seminars on issues such as heat flow technology, latest wastewater treatment and recycling, iron and steel engineering technology, advanced burning technology, electrical steel sheet technology, environmental technology for iron and steel industry, application of slag on road building, greenhouse gas reduction, slag recycling and treatment technologies for heavy metal containing dust.



National and International Exchanges

For continuous improvement in environmental management and performance, CSC engages in domestic and international exchanges on a regular basis. It takes part in revision of environmental laws and regulations, discussions on environmental management, technology and practices, speeches and training courses, employs retired experts as consultants and coordinates two-way visits.

CSC has organized important international meetings such as:

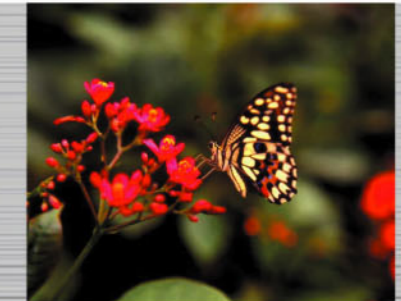
1. "The 14th BSL-CSC-POSCO Iron Making Conference" with representatives from POSCO Korea, BSL (originally BHP) Australia. Thirty-six papers were released, and experience in iron making production and technology was shared to jointly upgrade competence in the Asia Pacific region and foster regional collaboration.
2. Metal Division Workshop in the "24th Taiwan-Japan Engineering and Technology Seminar," focused on "technology of high temperature gasifying and melting of solid wastes", a method to effectively treat wastes without harming the environment.

Safety culture and cleaner production are our core values as well as necessities for corporate sustainable development. CSC will continue to improve performance on industrial safety, hygiene and environment, and enhance interaction with all sectors to uphold the principles of "caring for life" and "cleaner production."

Work towards building a Safety Culture:

1. Strengthen management of contract sector including selection of contractor, tendering, education and training, management monitoring and contractor evaluation after signing contract.
2. Promote health by providing health checkup and follow-up for employees; provide safe environment and proper care.
3. Build a vigorous safety culture by materializing safety concepts in daily life and work.
4. Impose stricter liabilities (1 year suspension) on contractors for major accidents; quantify contractor's performance in terms of industrial safety. Failure on evaluation test means no contract.
5. Strengthen capacity of supervisor in charge of contract implementation.
6. Establish a safety partnership with Council of Labor Affairs.

Future Prospects



Work towards Cleaner Production

1. Research and determine "emission factors and calculation formula for total quantity of emission" to control emissions from stationary pollution sources and effectively reduce the total quantity of emissions.
2. Promote integration of industrial safety, hygiene and environmental management system to improve management efficiency.
3. Enhance energy conservation and reduction of greenhouse gas emissions including O₂ -enrichment at blast furnace, implementation of energy saving technology, adjustment of energy consumption structure, research on injecting low-chlorine waste plastic in metallurgical process; promotion of voluntary greenhouse gas inventories and reduction management as well as international certification.
4. Pollution Control: control sintering and coking emissions, reduce fugitive dust of BOF slag processing, collect and treat storm run-off wastewater from stockpiles, and monitor and prevent soil and groundwater pollution.
5. Share with steel making industry "zero waste" technology and experience for all sorts of wastes; initiate a recycling practice among iron and steel industry.
6. Cooperate with the Industrial Development Bureau, Ministry of Economic Affairs to integrate energy and air emission control system so as to improve energy efficiency.