Analysis on Cleaner Production Policy and its Results in China

China National Cleaner Production Center

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May 20\textsuperscript{th}, 2009
Core-objective is......

Elaborating the practice courses of Cleaner Production (CP) in China

Analyzing the characteristic of Chinese Cleaner Production policy

Achieving the effect of Cleaner Production policy in China
Core-content

1. Forming process of China Cleaner Production policy
2. Results of Cleaner Production Policy in China
3. Conclusions
Forming process of China Cleaner Production policy

1993-2002: Legislation
2003-: Rules & Regulations
Forming process of China Cleaner Production policy

- **1989**_Introducing_ the idea and method of CP
- **1992**-Opening the prologue of China CP
Forming process of China Cleaner Production policy

October, 1993

- The second conference of prevention and control of national industry pollution
- Determining the strategic position of CP

March, 1994

- The China Agenda 21 Century
- Promoting the CP technology

Legislation

April, 1997

- The suggestions on implementation of CP
- Incorporating CP into the environmental management

June, 2002

- The CP Promotion Law of People's Republic of China
- Integrating CP in the related laws
Forming process of China Cleaner Production policy

- **Rules & Regulations**

  - **Compulsory CP audit** system
  - **Assessment and acceptance** system of CP audit for key enterprises
  - **CP standard system**
2. Results of Cleaner Production Policy in China

Realizing CP audit form pilot to expansion

Strengthening CP capacity building of technical advisory services

Promoting the process of pollution reduction

Conversing concept to practice
Conversing concept to practice

- Proposing the concept of CP later and setting up pilot in a few enterprises—Awareness of CP is still relatively vague

- Cleaner Production Promotion Law (2002) determining the legal status of CP and promoting the compulsory CP audit of key enterprises—Awareness of CP has improved
Results of Cleaner Production Policy in China

Promoting the process of pollution reduction

Implementing CP

Electricity: 3.69 billion kWh
Coal: 7.04 million tons
Water: 380 million tons
Wastewater: 60,462,646,700 tons
COD: 95,000 tons,
SO2: 71,000 tons
Atmospheric emissions from boiler
Dust

Achieving obvious environmental and economic benefits
Promoting the process of pollution reduction

Figure 1 reflects trends of economic benefits through the implementation of Cleaner Production program from 2004 to 2007.
Results of Cleaner Production Policy in China

- Strengthening regional CP of technical advisory services

- Training courses of national CP audit

- Building more than 300 industries or local Cleaner Production centers
Results of Cleaner Production Policy in China

- Strengthening regional CP of technical advisory services

Figure 2 reflects the number of staff received CP training from 2004 to 2007.

**Figure 2** training of cleaner production auditing for 2004-2007
Results of Cleaner Production Policy in China

- Realizing CP audit form pilot to expansion

Propelling CP audit through pilot demonstration

2005

Developing CP audit from a point to a plane
Results of Cleaner Production Policy in China

- Realizing CP audit form pilot to expansion

Figure 3 reflects the condition of the key enterprises’ clean production audit.

**Figure 3 Cleaner production audit work of key enterprises for 2004-2007**

- **Legend:**
  - Blue line: the number of published key enterprises
  - Pink line: the number of key enterprises have carried out audits

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Key Enterprises</th>
<th>Number of Published Key Enterprises</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>1000</td>
<td>400</td>
</tr>
<tr>
<td>2005</td>
<td>1500</td>
<td>800</td>
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<tr>
<td>2006</td>
<td>2000</td>
<td>1200</td>
</tr>
<tr>
<td>2007</td>
<td>2500</td>
<td>1600</td>
</tr>
</tbody>
</table>
**Conclusions**

1. Setting up a more complete policy and legislation system for CP
2. Achieving initial effect
Conclusions

Questions

- Legislation
- The macro level

Contradiction
- (economic development and environmental protection)
- Focusing on CP

Becoming the regulation of Chinese environmental management systems

Serving for target of Chinese environmental management
Thank you for your attention