



Environmental Management System Certification and Environmental Protection

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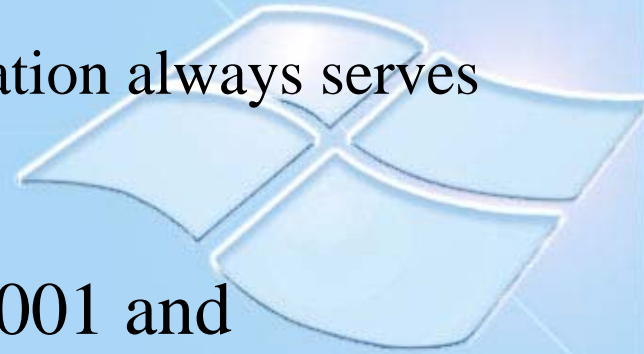
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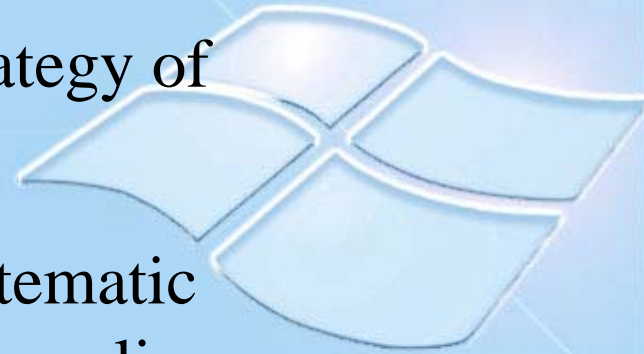
1、 Development of Chinese EMS certification always serves environmental protection cause

- Five standards including ISO14001 and ISO14004 was published by ISO in 1996
- Original National Environmental Protection Agency organized EMS certification pilot project
- Chinese EMS certification and accreditation system were established.

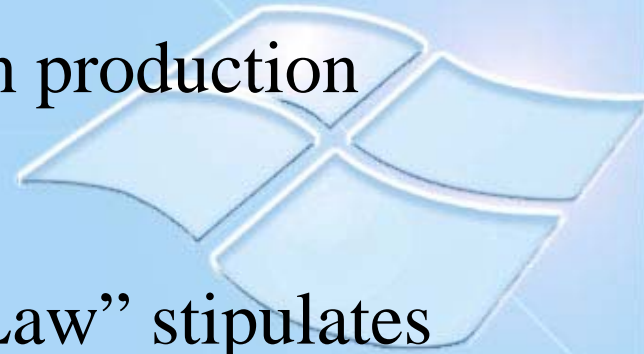


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- Major output of application of ISO14000 and EMS certification
 - Promote sustainable development strategy of enterprises
 - Promote clean production development
 - Strengthen EMS and coordinate the relationship between governmental function and self-management of enterprises


- Promote sustainable development strategy of enterprises
 - ISO14000 standard provides a systematic management tool for enterprises to realize sustainable development
 - Promote the effective and reasonable utilizing of resources and energy of enterprises
 - Help enterprises to reduce cost, waste generation and pollutants emission
 - Accelerate the structure adjustment of industry



- ISO 14000 standard promote clean production development



- “Clean Production Promotion Law” stipulates the type of enterprises that are required for mandatory implementation
- EMS provides system guarantee for the realization of clean production object
- EMS running promotes enterprises to develop clean products and clean technology

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- Strengthen EMS and coordinate the relationship between governmental function and self-management of enterprises
 - Enterprises transferred from compulsory abiding by environmental laws passively to proactive compliance through EMS.
 - Environmental authorities take active research in ISO14000 and the integration with present environmental rules, thus provides many valuable suggestions
 - Environmental legislation compliance attestations
 - Site observer, etc.




- Experience indicates that the implementation of ISO14000 standards has achieved the interaction between and close integration of governmental environment protection and enterprises' environmental management.

2、 Establishment of ISO 14000 National Demonstration Zones

- It is a pioneering work of international certification criteria integrated into Chinese environmental protection
 - SEPA united with related ministries to implement ISO14000 national demonstration zones
 - Application scopes: administration district, economic and technological development zone, High & New technological development zone, and scenery place.
 - There are 32 demonstration zones which have been approved since 1999



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- Administration district: Langfang city, Yanqing county of Beijing
 - 23 Economic and technical development zones: Suzhou, Dalian, Shanghai, Wuxi, Tianjin ,etc
 - 7 Scenery places: Xing Lake of Zhaoqing, Guangdong Gulang island of Xiamen, Zhongshan cemetery of Nanjing

• Major Effects:

- Raise international popularity and market competition
- Improve local environment quality and enhance the pollution source control
- Enrich local environmental management tools
- Raise public awareness of environmental protection, environmental information publish and public participation
- ISO14000 National Demonstration Zone is one innovation in regional environmental management for ISO 14000 tool and Chinese environmental protection

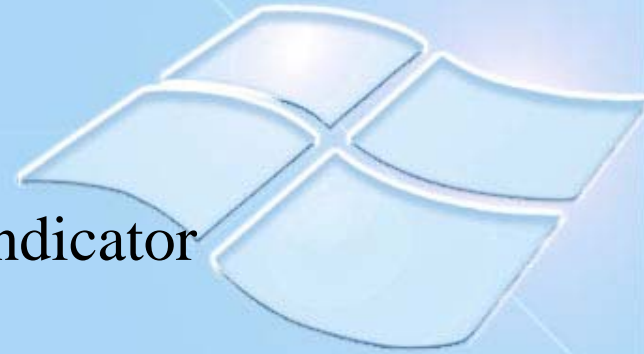


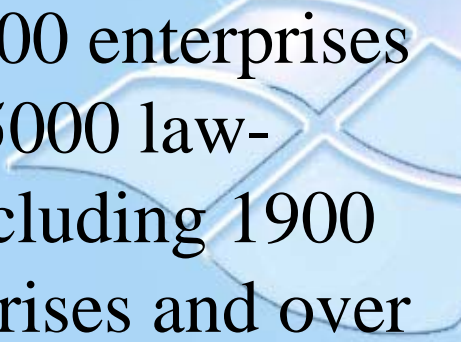
3、 EMS certification should be closely focused on Chinese environmental protection

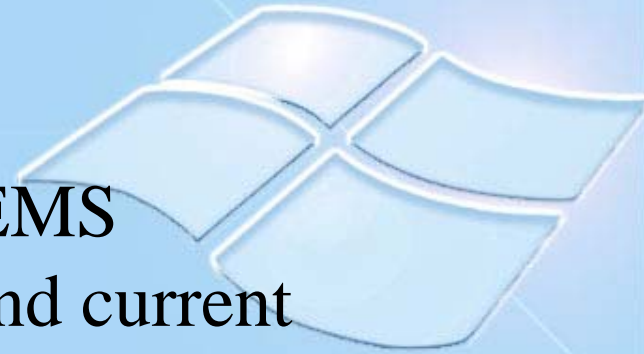
- Nowadays, Chinese Environmental Protection is facing new condition and task
- Chinese governments attach high importance to environmental protection
- Major environmental issues at present
 - **Contaminants emission is beyond environmental alternative capability**
 - **Most rivers across cities are polluted**
 - **Urban atmospheric pollution is serious**
 - **Soil erosion is expanding**
 - **Nuclear and radioactive safety has hidden trouble**
 - **Ecological demolition is serious**

– SEPA take actions:

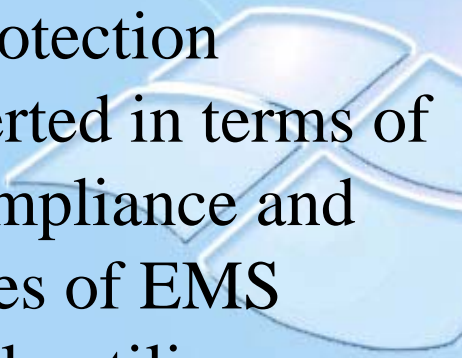
- Step-by-step emission reduction indicator
- Pollution prevention
- Enhance environmental monitoring
- Strict environmental permission
- Proper deal with outstanding issues
- Strengthen environmental capability construction



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- 1,670,000 tipstaff checked 720000 enterprises and register 28000 cases. Over 5000 law-broken cases were monitored including 1900 industrial gardens, 30000 enterprises and over 4000 enterprises were punished.
 - Some enterprises certified ISO 14001 EMS were checked and punished
 - Very few enterprises didn't abide by ISO14001 EMS standards and national laws



- Concerns and suggestions
 - Interactions among ISO14001 EMS certification and accreditation and current environmental protection supervision need to be further improved to enhance the effectiveness of environmental management
 - Some CBs are not strictly enough during EMS certification
- To address such concerns, existing environment protection supervision mechanisms should be adequately utilized.

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- Positive roles of local environment protection administrations can be adequately exerted in terms of assessing environment regulations compliance and checking environment-related activities of EMS certified enterprises, so as to effectively utilize existing results of environment protection supervision and enhance the effectiveness of the implementation of standards
 - When EMS certification is closely integrated with focused activities in national and local environment protection, it can make due contributions to China environmental protection and ultimately ensure the long term social relevance and vitality of EMS certification



Thanks!