

# Ozone Action in China



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## Focus >>

### Work Plan for 2009



2009 is a crucial year for China in the implementation of Montreal Protocol. On the one hand, MEP/FECO continues to do our utmost to finish each ongoing sector plans, achieving the goals of the first phase implementation. It is necessary that, on the other hand, China seizes the opportunity to develop HCFCs Phase-out Management Plan (HPMP) and wrap up the preparation of HPMP in the key sectors. The implementation of *Ozone Depleting Substances Management Regulation* is also our priority. Relevant key tasks are as follows:

I. to accelerate the implementation of the ongoing projects and achieve the goals of the first phase implementation within the set time frame by Jan 1, 2010

Jan. 1<sup>st</sup>, 2010 is one of the critical milestones for Montreal Protocol, marking the end of the twenty-year first phase implementation of the Protocol.

China will pay its attention to the following tasks:

Firstly, we will speed up the preparation and issue of relevant policies and regulations, such as bans on the production and consumption of CTC for restrictive purposes and the production, consumption and import of methyl

### Contents

- **Focus**  
Work Plan for 2009
- **News Update**  
Joint Meeting on ODS Import & Export Convened in Beijing  
LAO & MEP Began Field Study for ODS Legislation in Shandong  
Workshop for HPMP Production Sector Convened in Beijing  
Training Seminar on HCFCs Data Survey Held in Beijing
- **Project Achievement**  
Methyl Bromide Phase-out in Cucumber and Ginger Examined  
CFC-11 Phase-out Projects Commissioned  
Demo Projects of Methyl Bromide Phase-out commissioned
- **Local Convention Implementation**



### Joint Meeting on ODS Import & Export Convened in Beijing



The joint meeting for directors of National ODS import & export management office was convened in Beijing on Mar. 25th. Officials from MEP, MEPFECO, Ministry of Commerce (MOC) and other national authorities attended the joint meeting, and reviewed ODS import & export progress in 2008 and implemented work plan for 2009.

The participants acknowledged the achievement and progress made by National ODS import & export office in 2008. including (1) accomplished 2008 ODS review & approval work as mandated by policy; (2) cracked down on illegal ODS trade, with fewer illegal cases from China;(3)continued with ODS import & export capacity-building and training;(4)strengthened and consolidated ODS import & export cooperation with other countries.

As was pointed out during the meeting, ODS import & export management is faced with pressure and challenge. For example, strive to formulate management policy in response to accelerated phase-out of HCFCs; illegal ODS trade happened occasionally, for which neighboring countries are requiring China to impose stricter control in this regard; international community is taking tighter

measures against ODS import & export, some of whom push forward advance-notice procedure and unified ODS tag.

The meeting reviewed national ODS import & export quota and distribution plan of 2009 and laid down work focus for this year, including:(1) fully implement the *Ozone Depleting Substances Management Regulation* and release matching rules in response to specific articles prescribed in the *Regulation*;(2) further improve regulation on import & export management procedure to ensure import & export review and approval be carried out in a fair, equitable and transparent way;(3) keep up supervision of ODS import & export and strike down on illegal ODS trade;(4) improve foresight policy research and offer policy proposal on HCFCs management and ODS recycling management; step up online review and approval development to facilitate enterprises' application;(5) enlarge ODS import & export publicity and training, expand training coverage in an innovative approach; (6) carry out international cooperation and build up China as a responsible country in this regard.

chloroform. And early publicity of the policies and regulations will be carried out among the enterprises. Secondly, priority should be given to the wrap-up of the ongoing 11 sector plans, especially to the implementation of the CTC and process agent sector plan, Solvent sector plan as well as aerosol sector plan; 120 new projects are current ready for the contract signing; it is necessary that we take measures to speed up projects preparation and implementation. Thirdly, we should handle well the management of the essential uses after the phase-out of ODS, such as the essential uses of CFCs, the essential uses of halon, investigation, application and relevant management of the laboratory and analytical uses; we should also further strengthen the management of the prepared CFCs and halon. Fourthly, we ought to push forward our research on the establishment of ODS management system and the channel of waste ODS destruction to support the issue of regulations. In addition, the implementation of the methyl bromide sector plan should be given attention, especially in the subsector of agriculture production. We also will further strengthen the monitoring and verification of the QPS and feedstock purposes of methyl bromide.

II. to push forward with full strength the compilation of HPMP and determine on the tasks and priorities of phase I of HCFCs phase-out.

Data survey and research, selection and assessment of the alternative technologies, research on the phase-out strategy, estimation and calculation will be effectively carried out in each sector in 2009 in line with the road map set in the first international coordination conference for the compilation of HPMP. Adhering to the principles of coordinated development with priorities and easier tasks first, we will be working on the compilation of HPMP in foam, solvent and domestic air-conditioner

sector with full strength and do our utmost to finish the preparation of HPMP in foam sector by the end of the year. In the meantime, we plan to reorganize the tasks and aims of HCFCs phase-out in each sector and determine the prioritized sectors through national plan of which we are making every effort to finish the first draft. We are also going to seize every opportunity to make headways in the R&D of HCFCs alternative technologies and products, implementation of HCFCs phase-out project and publicity and education of HCFCs phase-out. In the compilation and drafting of HPMP, it is necessary that we concentrate on the cooperation with relevant industrial departments, industry associations, local EPBs and enterprises to make HPMP of more representativeness and sound basis.

III. to work out the implementation rules for the *Ozone Depleting Substances Management Regulation* and bring the implementation of Montreal Protocol to a new stage.

The issue of *Regulation on the Ozone Depleting Substances Management Regulation* will bring our implementation of Montreal Protocol to a new stage. To support the issue of the *Regulation*, MEP will coordinate with relevant departments to carry out the research and draft the rules for implementation, establish the on-line information system, which will construct a sound basis for the implementation of the *Regulation* and shoulder the monitoring and verification responsibilities. The issue of the *Regulation* also provides an opportunity for us to strengthen the local capacity for compliance with Montreal Protocol and crack down the illegal production, consumption and trade of ODS. In addition, we will carry the drafting of publicity strategy to another step and raise the awareness of ozone protection among the public through research and survey, introduction of creative publicizing method and involvement of more partners.



## LAO & MEP Began Field Study for ODS Legislation in Shandong



The State Legislative Affairs Office (LAO) teamed up with Ministry of Environmental Protection (MEP) to go on a field study to Qingdao and Yantai for feedbacks concerning the *Ozone Depleting Substances Management Regulation* (draft ver.) on Feb. 6th.

The meeting on the *Ozone Depleting Substances Management Regulation* (draft ver.) was convened in Qingdao on Feb. 6th. Officials from LAO, MEP, MEPFECO, and local legal and environment authorities attended the meeting; representatives from leading enterprises like Haier and Moon Group also participated the event.

The attending representatives welcomed the *Regulation* and reviewed the success story of ODS phase-out projects in the past decade. During that period, enterprises worked closely with MEP on a number of projects. As a result, industries have full CFCs phase-out capability and are confident of implementing *the Regulation*. However, they all considered HCFCs phase-out a daunting task, for



which they would need financing and favorable policies from national authorities and international organizations, especially in alternatives technology R&D.

The representatives also offered their suggestion for amendment of the *Regulation*(draft ver.), including: first, more severe penalties for illegal ODS producers, criminal charge would be considered in this regard; second, more support and favorable policies from national authority in ODS substitute and alternative technology; third, more detail should be released regarding the *Regulation*, so as to make it more practical; forth, more information disclosure to local EPBs so as to facilitate ODS supervision and law enforcement.

The study group had a deeper understanding of ODS phase-out project under the *Regulation* and collected feedback from enterprises. The *Regulation* (draft ver.) is all set to be formally released.



## Workshop for HPMP Production Sector Convened in Beijing

FECO/MEP organized Launch Workshop for Preparation of HPMP Production Sector from Mar.23rd to 24th. Mr. Wen Wurui, Director-General of MEP/FECO, attended the conference and made remarks. Project officials and representatives from MEP/FECO, the World Bank, industry associations, universities, and HCFCs producers and consumers participated the event.

Director-General Wen introduced the Montreal Protocol and HCFCs accelerated phase-out plan, relevant policy background, current progress, and difficulties and

challenges. He called for producers to support HPMP work and intensify R&D, so as to find substitutes appropriate to our national condition. The workshop discussed next-step arrangement of HPMP for production sector, encouraging enterprises to be prepared for the coming data survey. Experts from universities and associations explained rollout of data survey, on-site verification and filling of survey form. The conference had a good discussion on HPMP and cleared the way for future implementation.



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## Training Seminar on HCFCs Data Survey Held in Beijing

MEP/FECO and CHEAA co-hosted “training seminar on HCFCs data survey of RAC industry” on Mar.19th. Representatives from FECO, UNIDO Beijing office, UNEP, Ministry of Environment Protection of Japan, CHEAA, and leading enterprises attended the conference.

The seminar touched upon background of international protocol, progress of China’s implementation, HCFCs accelerated phase-out and HPMP preparation for RAC sector. Enterprises were encouraged to be involved in protocol implementation, data survey, sector plan preparation and adoption and demonstration of alternative technology.

The focus of the seminar is to explain and clarify details within the questionnaires, and made correction based

on feedbacks. FECO also learned about enterprise’s suggestions on HCFCs phase-out. Jiang Feng, secretary-general of CHEAA, called for enterprises to quicken R&D of alternative technology in advance.

Representatives from enterprises admitted that they had a better understanding of HPMP focus and policy update at home and abroad. The seminar is a great opportunity for RAC producers to exchange opinions with each other. Some expressed their willingness to cooperate with relevant work on data survey, technology adoption and justification, and they had the intention to apply for demonstration project. The seminar proved to be a strong boost for HCFCs accelerated phase-out in RAC industry.



## Project Implementation >>

### Methyl Bromide Phase-out in Cucumber and Ginger Examined



The joint survey group formed by MEP/FECO and MOA examined the Methyl Bromide Phase-out Projects in cucumber and ginger production in Anqiu and Qingzhou counties in Shandong province between Mar.12th and 13th. The survey group found out that chloropicrin was used as alternative of methyl bromide in the production of ginger and grafting in the production of cucumber, which is convenient, residue-free and low pollution level.

### CFC-11 Phase-out Projects Commissioned



Meeting on the Commissioning of CFC-11 Phase-out Project in 21 foam enterprises was held in Hangzhou from Dec. 18th to 19th, 2008. Foam group from MEP/FECO, specialists and representatives from 21 foam enterprises involved in 2004 and 2005 annual planning projects in foam sector participated the meeting.

The assessment group agreed unanimously that these 21 enterprises successfully achieved the goal of the project with all items of the contract fulfilled. CFC-11 Phase-out Project in 21 foam enterprises all passed the commission.

### Demo Projects of Methyl Bromide Phase-out Commissioned



Starting from Mar.to Nov.2008, the inspection panel consisting of experts and officials from MEP, State Tobacco Monopoly Administration, local EPBs, local tobacco companies and UNIDO conducted the assessment of Methyl Bromide Phase-out Demo Project: Phase 2 in tobacco sector in 9 intensive nursery centers in Henan, Fujian, Yunnan, Guizhou, the city of Baicheng in Jilin province etc.. All of the 9 provinces and regions have phased out the consumption of methyl bromide according to the site inspection.



To achieve the goal of phasing out 427.8 ODP tones of methyl bromide, 9 demonstration projects in intensive nursery centers where methyl bromide was largely consumed was established with the support of Multilateral Fund for the Implementation of Montreal Protocol. The demonstration projects are carried out in two phases. 6 projects of Phase 1 passed the commission. Another 17 demonstration nursery centers were set up in Hunan, Shandong, etc. with a total investment of US\$ 3,290,000.

## Seminar on Alternative Technologies for Grain Storage Held in Hangzhou

Seminar on Alternative Technologies for Methyl Bromide Phase-out in grain storage sector organized by State Grain Administration was held in Hangzhou, Zhejiang province from Dec. 18th to 19th, 2008.

Representatives present at the seminar discussed extensively on R&D and application of the latest alternative technologies for the preparation of methyl bromide phase-out and exchanged opinions. The seminar provided useful technological support to highlight achievements of methyl bromide phase-out in grain storage sector, establish long-term mechanism and achieve sustainable implementation of the conventions.



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## Local Convention Implementation

- Conference on ODS phase-out capacity-building was held in Changsha of Hunan Province from Mar.9th to 10th. More than 30 representatives from 12 major ODS producing and consuming provinces and municipalities participated the event.

Mr. Subinary Nandy, UNDP Country Director in China, gave full recognition to China's implementation achievements in the past 20 years and local EPB's role in this regard. He believed China would be able to find its distinctive environment-friendly approach.

Mr. Wen Wurui, Director General of MEP/FECO, acknowledged the accomplishment achieved in different regions in terms of capacity-building projects, such as establishment of ODS implementation institutions, cross-sector working mechanism and working group, fruitful awareness-raising campaign, training and research. Best practices were exchanged and learned among regions. Yet some provinces were still lagged behind in project implementation and should catch up with others.

Director Wen put forward 4 principles in response to issues raised. First, carry out all projects according to overall national timetable for ODS phase-out; second, manage and control ODS production, consumption, import & export and sale following national ODS phase-out policy and management system; third, ODS production and consumption phase-out should keep

pace with substitute development and policy and regulation formulation; forth, understand the general picture of ODS key sectors, areas and enterprises.

As for local capacity-building projects, Director Wen pointed out the following: first, involve more departments with clear organization and leadership, giving full play to industry associations; second, manage projects strictly according to the contract signed, with sufficient innovation for improvement; third, strengthen promotion campaign and training, carry out grass-root management and training for law enforcers, and raise implementation awareness of the public; forth, beef up law enforcement, especially supervision over key sectors and enterprises; fifth, enhance finance management to ensure proper expenditure for the project; sixth, keep on exchanging information and learn from each other, so as to improve project management.

Financial personnel from MEP/FECO introduced financial and auditing requirements for projects. The conference also discussed HCFCs study & research plan for solvent and foam industry.

- CFC-11 Complete Phase-out Project in foam sector and Capacity Building of ODS Phase-out were carried out by Environmental Monitoring Center of Zhejiang province in 2008. Smooth progresses were made in these 2 projects. *Research Report on Foam Enterprises,*



*Combined Polyether Suppliers and CFC-11 Venders in Zhejiang Province, Report on Enterprises Training and Public Education of CFC-11 Phase-out Project in Foam Sector in Zhejiang Province and Progress Report on Local Capacity Building for Compliance with Montreal Protocol etc.* were submitted.

- Leading office of EPB of Inner Mongolia Autonomous Region organized the “Sum-up meeting on strengthening the capacity of ODS phase-out” on Dec. 5th, 2008. Members from Inner Mongolian Institute of Environmental Science reported on the project survey in 2008 and progress of the project implementation in 2009. The meeting passed the *Research Report on Local Capacity Building for Compliance with Montreal Protocol in Inner Mongolia Autonomous Region*, calling for work plan of 2009 to be formulated based on 2008 achievement.

- Two assessment meetings on Local Capacity Building were held respectively on Dec. 16th, 2008 and Mar. 20th, 2009 by MEP/FECO, conducting thorough review on the research reports submitted by 26 provinces, autonomous regions and municipalities. The review panel consists of experts with CHEAA (China Household Electric Appliances Association), Chinese Association of Industrial and Commercial Refrigeration, Peking University and representatives from Division 3 with MEP/FECO. Review panel concluded that 16 local EPBs, including those of Hubei, Hunan, Inner Mongolia, Shanxi, Shanghai, Anhui and Shenzhen, have successfully achieved the goals of research and survey and the final reports were well compiled in accordance with the requirements of the contract. An approval was suggested to all of the 16 reports. The left will need to be revised and improved before next review.

- EPB of Anhui province held a report conference on ODS survey and technical training workshop in Hefei on Jan. 9th, 2009. The results of the survey and problems detected in the process were released. The training covered research and survey, publicity, law enforcement, and professional training. The research and survey will end in the middle of Feb. 2009, as concluded during the conference. Meanwhile, a series of arrangements concerning monitoring, law enforcement, publicity and education were made in the conference.

- Leading group of ozone protection of Shandong province held its forth work conference in Jinan, where ODS phase-out progress after the 3rd conference was summarized. The conference got update on the implementation of National CFC-11 Phase-out Project in foam sector and Local Capacity Building in ODS Phase-out Project. The leading group also reviewed and approved the report submitted by project leading office and the work plan for local capacity building.



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