Strategies for Responses to New POPs in China

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September 9, 2010

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1.Status of New POPs——An Overview

- PFOS: still in production, universal use and import/export
- Lindane, -benzene, -benzene: Production and use stopped
- Commercial pentaBDE: Production stopped, product still in use and import of waste in nowadays
- Pentachloro-benzene: Intermediate product of pentachloronitro-benzene, source of accidental discharge unspecified
- Chlordecone, hexabromo-benzene and commercial octaBDE: No previous production and use, but commercial octaBDE-containing products or waste are being imported

1.Status of New POPs——PFOS

- Production: 10 manufacturers, total production in 2008 approximately 250 tones;
- Main uses: tri-prevention finishing agent, fluorine-containing chromic acid fog inhibitor, sulfluramid material, fire extinguishing foam, PAG in integrated semiconductor etching;
- Substitution: no effective and economical substitutes.

1.Status of New POPs——Lindane

- Production: Only 1 manufacturer
- Main uses:
 - Agriculture: for prevention and control of wheat midges and locusts;
 - Sanitation: skin topical for treatment of scabies and crabs.
- Substitution: a number of substitutes in market

1.Status of New POPs——Commercial PentaBDE

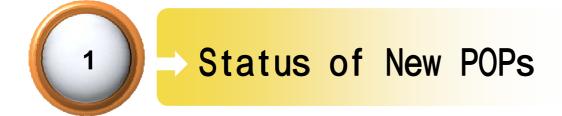
Production: ceased in 2004

Main uses: used to be used as fire retardant

1.Status of New POPs——Pentachlorobenzene

- Main uses: for producing pentachloronitrobenzene pesticide, and in the form of impurity
- Source of byproduct discharge: waste incineration in steelmaking, papermaking and cement industries

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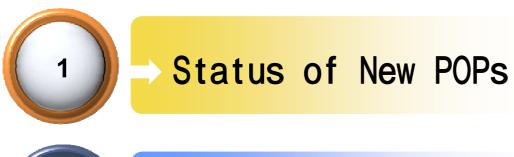
2 Major Problems

3 → Strategies

2. Major Problems

- More information on production, use, import/export and discharge/contamination of new POPs is needed;
- More policies, regulations and standards related to new POPs need to be established;
- Monitoring capacity needs to be strengthened and monitoring methods need to be improved (especially on PFOS);
- Effective and economical substitutes and substitution technologies (especially on PFOS) need to be developed;
- Prominent problem of soil pollution in some regions (including commercial pentaBDE waste dismantling sites);
- Public awareness needs to be improved.

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3 → Strategies

3. Strategies

- To conduct all-around investigation on new POPs list;
- To strengthen new POPs-related policies, regulations and standards;
- To enhance the capacity of new POPs monitoring and strengthen the supervision;
- To develop or introduce economical and applicable substitutes and substitution technologies;
- To select technologies on new POPs contaminated site restoration;
- To carry out publicity and training activities for improving public awareness.

Thank you for your attention!