



MEP

# Latest Progress of Chemical Management Policies in China

Division of Chemicals Environmental Management  
Department of Soil Environment Management  
MEE, China  
2018.6.23



**1**

Thinkings and Key Tasks in 13th Five-year Plan Period

**2**

Main progress in 2017

**3**

Work plan for 2018



## 1. General idea

Bearing in mind the environmental quality improvement as core, aiming at controlling the environmental and health risks of chemicals, driven by reform and innovation, by means of identification, assessment and control, fulfilling systemic, scientific, legal, refined, and information management requirements, to carry out the top design, to improve the management system, to strengthen the base support, to set up the limited goals, to be proactive, to make the new progress in the chemical environmental management .



# Thinkings and Key Tasks in 13th Five-year Plan Period

A system of laws and regulations is basically established

The risk is under control for chemicals in international conventions

Goals by 2020

Database on chemical hazard characteristics is basically completed

significant achievement on the prevention and control of toxic and harmful pollutants

capacity for hazards identification and risk assessment is preliminarily formed



# Key Tasks

制定一个战略  
One strategy

推动两项立法  
Two regulations

夯实三个基础  
Three basic blocks

完成四项任务  
Four missions

建立和完善六项制度  
Six mechanisms



## 1. One strategy

- ✓ To conduct a study on national strategy for chemical environmental management, to clarify the basic guidelines, principles, policies and overall strategic goals of the national chemical environmental management
- ✓ To build a chemical risk management framework
- ✓ To propose mid and long-term chemical risk assessment and risk management action plans and chemical environmental management capacity building programme



## **2. Two legislation on environmental management of chemicals**

- ✓ Actively seeking to incorporate chemical environmental management in the soil pollution prevention law
- ✓ Pushing for a specific chemical environmental management regulation

## **3. Three basic blocks**

- ✓ Construction of chemical environmental and health risk assessment technology system.
- ✓ Basic database of chemical hazard characteristics.
- ✓ Professional team building.



## 4. Four missions

- ✓ Chemicals risk assessment
- ✓ Restriction and elimination of high-risk chemicals
- ✓ To promote the prevention and control of toxic and harmful pollutants
- ✓ To strengthen cooperation and communication





## 5. Six mechanisms

- ✓To reform the regulation for the registration of new chemical substances
- ✓To adjust the regulation for the registration of hazardous chemicals
- ✓To establish a regular investigation system for the production and use of chemicals
- ✓To perfect the chemical hazard identification system
- ✓To improve the chemical environment risk assessment system
- ✓To improve the information reporting system for environmental release of key environmental management hazardous chemicals



# Main progress in 2017

1

**Environmental management of existing chemicals**

2

**Environmental management of new chemical substances**



## 1. Announcement on publishing the list of China's severely restricted toxic chemicals (2018) ( former MEP announcement 2017 NO. 74)

### POPs convention

- Lindane
- Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F)
- Hexabromocyclododecane

### PIC convention

- lead tetramethide
- lead tetraethyl
- SCCP
- PCT
- tributyl tin compound
- Perfluorooctane sulfonic acid, perfluorooctane sulfonates, perfluorooctane sulfonamides and perfluorooctane sulfonyls

### Minamata convention

- mercury



## **Goal:**

To strengthen the management on toxic chemicals

## **References:**

- Regulations on safety management of hazardous chemicals
- POPs convention
- Minamata convention
- PIC convention



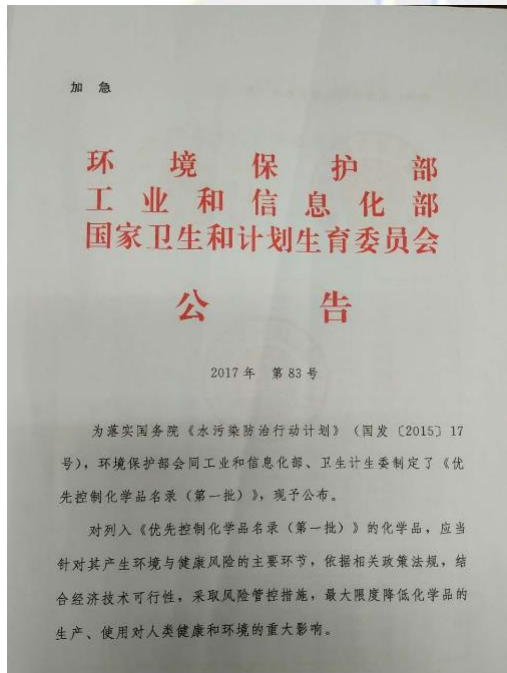
## Requirements:

- For the import or export of toxic chemicals included in the list, one must apply in advance to the MEE for the Clearance Notification for Environmental Management on the Import/Export of Toxic Chemicals.
- The import and export operators must show the Clearance Notification to the Customs for its clearance.



## 2. Announcement on publishing the Priority Control Chemical List (first batch)

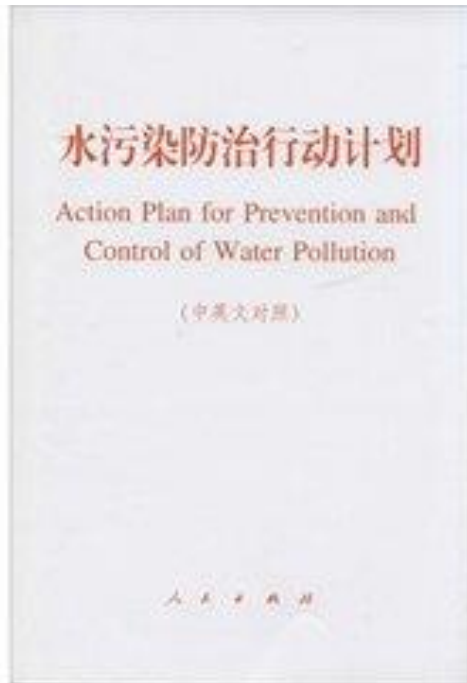
(former MEP 2017 NO. 83)



| Chemicals                                 | Chemicals  |
|---|--|
| 1,2,4-Trichlorobenzene                    | Hexabromocyclododecane   |
| 1,3-butadiene                             | Naphthalene  |
| Musk Xylene                               | Lead Compound  |
| N,n'-bis(methylphenyl)-1,4-benzenediamine | Perfluorooctane Sulfonic Acid (PFOS), Its Salts And Perfluorooctane Sulfonyl Fluoride (PFOS-F) |
| Short-chain Chlorinated Paraffins         | Nonylphenol And Nonylphenoxypoly(ethyleneoxy)ethanol   |
| Dichloromethane                           | Trichloromethane   |
| Cadmium And Cadmium Compounds             | Trichloroethylene  |
| Mercury And Mercury Compounds             | Arsenic And Arsenic Compounds  |
| Formaldehyde                              | Decabromodiphenyl Ether  |
| Chromium VI Compounds                     | Tetrachloroethylene <sup>14</sup>  |



## Basis for the list



Assessment on the environmental and health risks of existing chemicals

Priority control list of chemicals was released at the end of 2017



## Focus on chemicals

- With high inherent hazard properties
- May exist for a long time in the environment
- Could pose a greater risk to the environment and human health

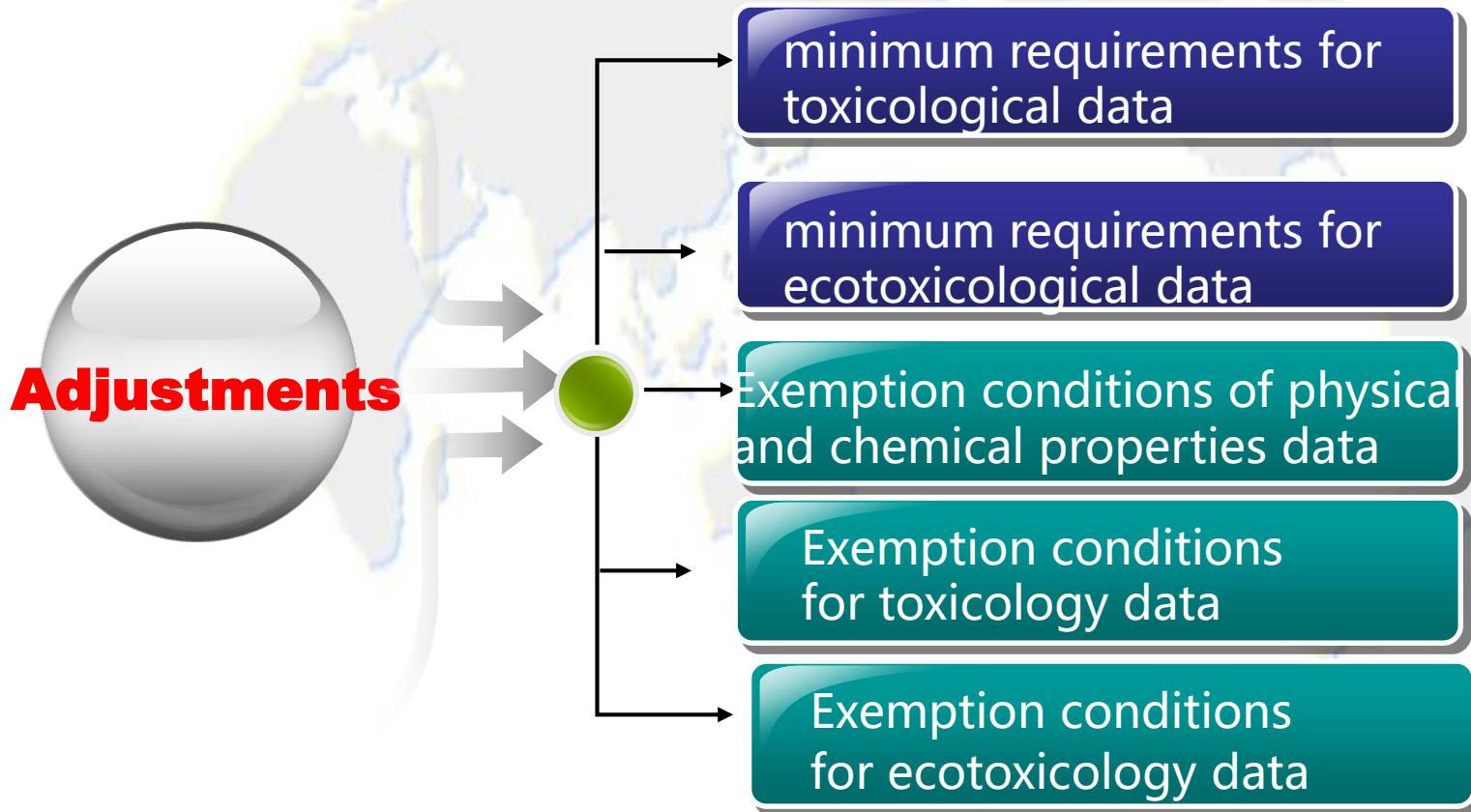
## Measures

- Incorporated with the pollutant discharge permit system
- Restrictive measures
- Implement the system of clean production audit and information disclosure





## 1. Announcement for adjusting the data requirements in the guidance for the registration of new chemical substances (former MEP announcement 2017 NO. 42)





## Principles

1. Streamline administration and delegate power to lower levels, and lighten the burden on enterprise
2. Simplify data requirement, conform to management practice
3. Enhance scientificness and standardization



## Improvements

- Quantitative data exemption conditions or parameters are refined;
- Terminology is improved;
- Relevant technical content is improved



## 2. Announcement for Guidelines for on-site verification of ecological toxicology data for environmental management of new chemical substances registration (former MEP announcement 2017 NO. 70)

**Goal:** To standardize on-site verification of ecological toxicology test data in environmental management registration of new chemical substances

**Main content:** make clear requirements on verification institutions and personnel, verification objects and contents, result processing, etc

**Progress:** the first on-site verification was conducted at the end of 2017



## verification objects :

In principle, random sampling method is adopted to carry out on-site verification of the ecological toxicology test data involved in the environmental management registration of new chemical substances. Test data issued by the following testing facilities shall be subject to spot check:

1. The number of reports issued with test data is large and does not match the number of personnel in key positions and the laboratory area of the test institution.
2. Many suspected during desk reviewing.
3. Many suspected during previous spot checkings



## Verification contents :

Focus on the original record of test data. It can also check whether the testing facilities comply with good laboratory practice.

## Processing of verification results :

- In case of serious problems, the test reports involved shall not be accepted
- The verification status and results will be made public on the SCC website



# Work plan for 2018

MEP

- **To issue guideline framework for chemical environmental and health risk assessment**
- **To develop a chemical environment management strategy**
- **To promote the implementation of the risk control measures for priority control chemicals**
- **To promote the revision of laws, regulations and important regulations in the field of chemical environmental management**



MEP

A faint, light-colored world map is centered in the background of the slide, showing the outlines of the continents.

**Thank you**