



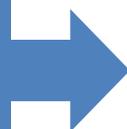
Sewage Prevention and Control in China

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Ministry of Ecology and Environment, China



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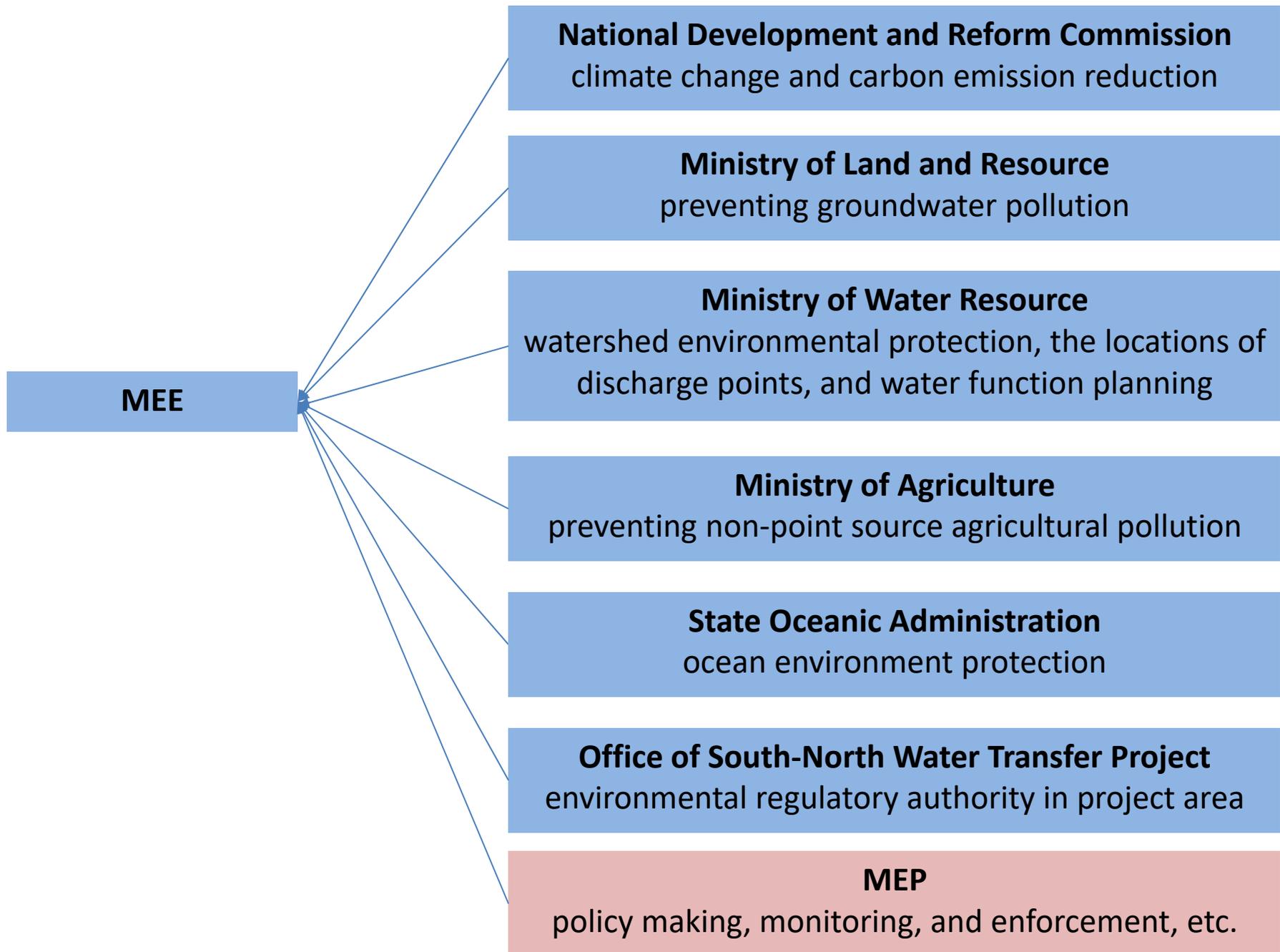
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Way forward

From the Ministry of Environmental Protection (MEP) to the Ministry of Ecology and Environment (MEE)

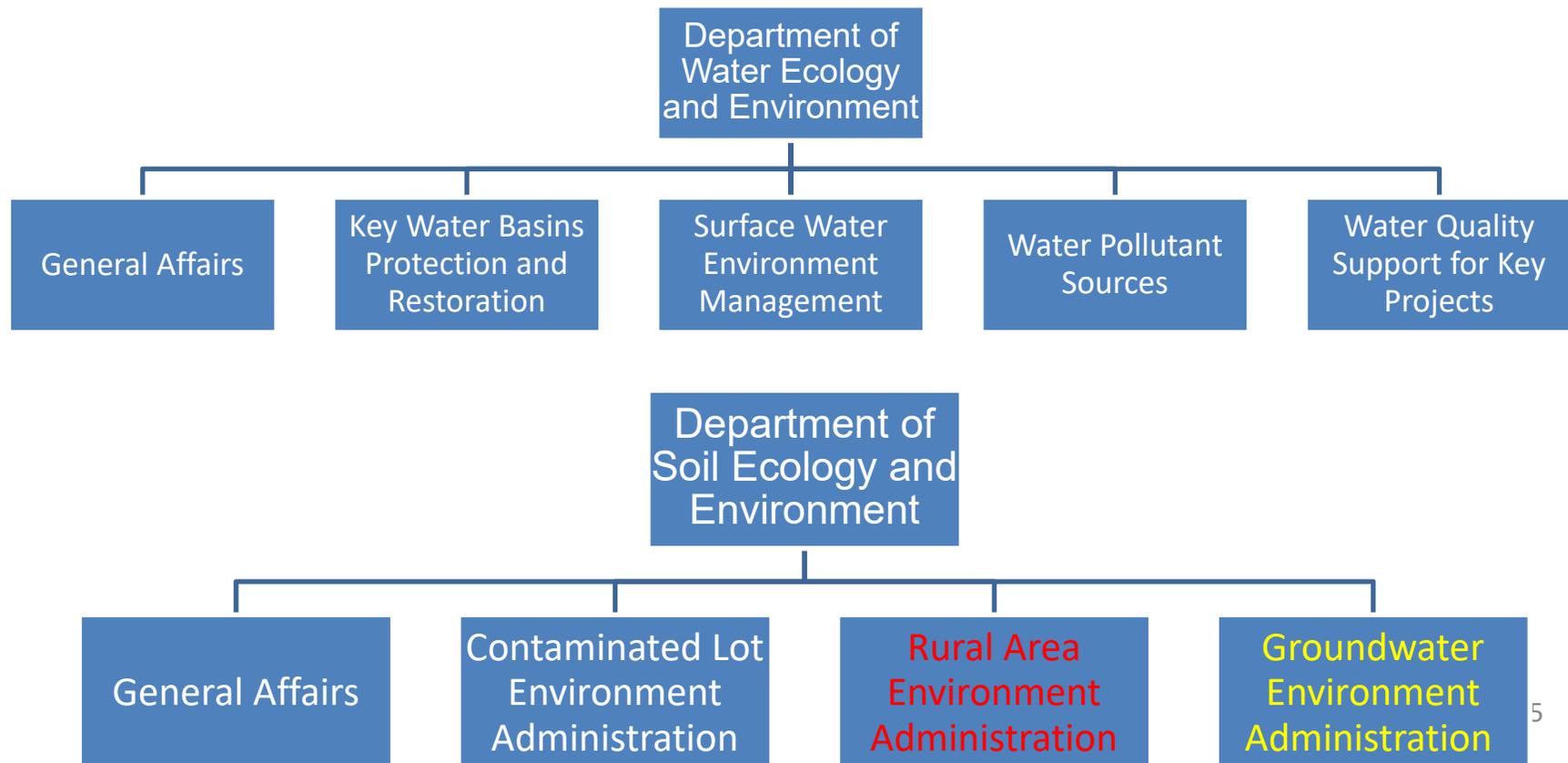
- The Institutional Reform Plan for the State Council, March 17, 2018
 - To establish the MEE on the basis of MEP.
 - Integrating the environmental regulatory functions of 6 other agencies.





Structure of MEE

- 23 departments, 478 staff
- Department of Water Ecology and Environment, 5 divisions
- Department of Soil Ecology and Environment, 4 divisions





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Way forward

Policies on sewage prevention and control

Law on Prevention and Control of Water Pollution, Environmental Protection Law

- Requirements for sewage prevention and treatment

Action Plan for Prevention and Control of Water Pollution
Three-year action programme for rural habitat rehabilitation

- Specific rules over sewage prevention and treatment

Standards

- Standards for sewage discharge

Discharge permitting system

- Getting permit to discharge



MEP

New Environmental Protection Law

Effective from Jan. 1st, 2015

Up to 70 Articles compared with 47 in previous law

- Clarifies the relations between environment and development by **prioritizing environmental protection**
- Steps up punitive measures against disobeying companies by imposing fines **with no maximum amount**
- **A separate chapter on information disclosure** and public participation, granting the general public the access to information, the right to participate in and supervise environmental protection
- Granting the governments of municipal level and above standings for public interest environmental litigation
- **Draws an ecological redline** for rigorous environmental protection





MEP

Water Pollution Prevention & Control Law (WPPCL)

Chapter IV Article II



Water Pollution Prevention & Control Law (WPPCL)

Chapter IV Water Pollution Prevention & Control in Urban (Article 49-51)

Chapter IV Water Pollution Prevention & Control in Agriculture and Rural Areas (Article 52-58)





MEP

Action Plan for Prevention and Control of Water Pollution

To accelerate construction and alteration of urban sewage treatment facilities

Existing urban sewage treatment facilities should be altered according to local conditions and reach corresponding discharge standard or recycling requirement before the end of 2020.

By 2020, all counties and key towns nationwide should be capable of sewage collection and treatment, with sewage treatment rate in counties and cities reaching about 85% and 95% respectively.

Fully reinforcing supporting pipe network construction

To strengthen sewage cut-off and collection in urban villages, old urban areas and semi-urban areas.

Rainfall and sewage shunting should be accelerated for existing combined sewer system, with measures such as cut-off, regulation and storage, and treatment taken in case of any difficulty in shunting.

Supporting pipe network for newly built sewage treatment facilities should be designed, constructed and operated.

Promoting sludge treatment and disposal.

Stable, harmless and resourceful treatment should be carried out for sludge produced by sewage treatment facilities, and sludge not in compliance with relevant standard is not allowed into cultivated land.

Illegal sludge sites should be banned.

Led by Ministry of Housing and urban-rural development





MEP

Action Plan for Prevention and Control of Water Pollution

To prevent and control livestock and poultry farming pollution.

Livestock and poultry farming areas should be scientifically divided. Existing large-scale livestock and poultry farms should be equipped with fecal sewage storing, treating and utilizing facilities according to pollution prevention and control needs. Dense free-range areas should adopt collection, by households, and centralized treatment and utilization of livestock excrements and sewage.





MEP

Action Plan for Prevention and Control of Water Pollution

- Industrial Structure
- Eliminate outdated capacity
- Raise the environmental thresholds

- Spatial Layout
- Construction permission
- Limits or withdrawal
- Protection

- Circular Development
- Industrial water recycling
- Regeneration and utilization
- Sea water utilization

- Seeking to upgrade and restructure its economy by pressing ahead water pollution prevention and control
- Striking a balance between economic development and water environment protection
- Adjusting to the economic and environmental new normal





MEP

Three-year action programme for rural habitat rehabilitation

Toilets
Renovation

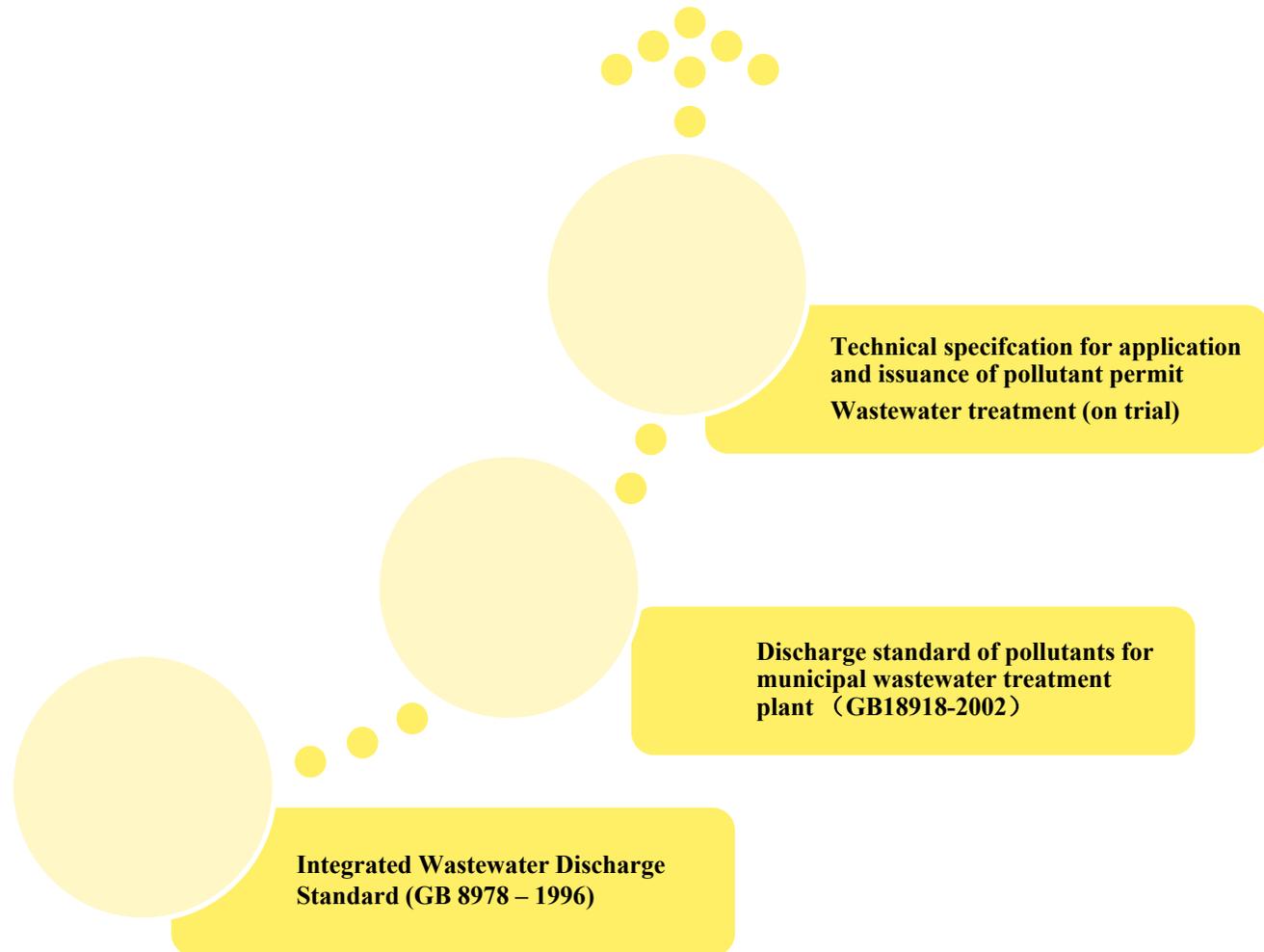
rural domestic
sewage
disposal

Different treatment technology
Extend the pipe network
Recycling
Black and odorous water
bodies are eliminated gradually
The river chief system and the
lake chief system



MEP

Standards for Sewage Discharge





MEP

Pollution Discharge Permit

Goals



- A discharge permitting system that covers all stationary sources by 2020
- An efficient permit information management platform

Results



- Well-coordinated and streamlined environment management
- Enterprises and public institutions held accountable for not fulfilling environment obligations
- An efficient, well-structured and law-based permitting system
- Whole-process management of stationary sources and coordinated control over multiple pollutants
- A systemic and well-designed 'one-certificate' management model





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MEP

challenges

The concept of development has not established

Management and control of ecological space is weak

Much discharge

More ecological environmental risk





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Next step

- Monumental tasks came with the expanded power
 - 7 major campaigns against pollution in the next 3 years.
 - Air pollution/blue sky
 - Diesel vehicles
 - Urban water pollution
 - Bohai Sea pollution
 - Yangtze River recovery
 - Drinking water sources
 - Agricultural and rural pollution



MEP

Next step

- **Implement the Water Pollution Prevention & Control Law and Action Plan for Prevention and Control of Water Pollution**
- **Deepening pollution prevention and control in key basins and establish function zoning management system.**
- **guarantee safe sources of drinking water**
- **treating black and odorous water bodies in cities**
- **Treating water pollution in industrial agglomeration areas on a centralized basis**
- **Boosting prevention and control of agricultural and rural pollution**
- **strengthening wetland protection and restoration**
- **to improve environmental supervision and law enforcement mechanism, develop Environmental Protection Inspection once more.**





谢 谢

Thank You !

