



**生态环境部环境规划院**

# **China's Environmental Protection Policies under the COVID-19 Pandemic**

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**August 2022**

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# 01



## **Progress of Environmental protection policies and regulations under the COVID-19**

## National Level

China and all provinces have introduced relevant environmental protection policies to prevent and control the risk of COVID-19 to jointly win this "battle".



### ➤ Medical Waste

- Notice on Environmental Management of Medical Waste for Novel Coronavirus Infected Pneumonia Epidemic
- Guidelines for Emergency Treatment and Management of Medical Waste in Coronavirus Infected Pneumonia (Trial)
- Notice on Managing Medical Waste in Medical Institutions During Novel Coronavirus Infection Pneumonia Epidemic



### ➤ Medical sewage

- Notice on Supervision of Medical Sewage and Urban Sewage for Novel Coronavirus Infected Pneumonia Epidemic
- Novel Technical Plan for Emergency Treatment of Contaminated Medical Sewage (Trial)



### ➤ Ecological protection

- Guidelines on coordinating epidemic prevention and control, economic and social development, ecological and environmental protection
- Opinions on Actively Serving and Implementing the "Six Guarantees" Mission under the Premise of Normalizing Epidemic Prevention and Control
- "Notice on Doing a Good Job in Emergency Monitoring of Ecological Environment in Response to Novel Coronavirus Pneumonia Epidemic"

# Notice on Environmental Management of Medical Waste for Novel Coronavirus Infected Pneumonia Epidemic



01

Local ecological and environmental departments at all levels are required to attach great importance to the environmental management of medical waste during the pneumonia epidemic, and effectively supervise and manage the prevention and control of environmental pollution in the collection, transportation, storage and disposal of medical waste



02

It is suggested that the provincial eco-environmental departments should immediately organize and establish the cooperative emergency treatment mechanism of medical waste among the cities in the administrative region, and scientifically allocate the disposal resources of medical waste



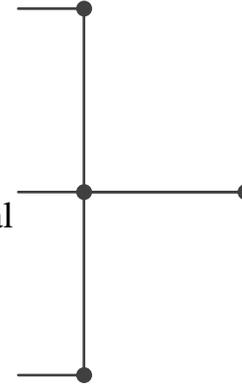
The requirements for emergency treatment and management of medical waste during the pneumonia epidemic were clarified



The technical route of emergency treatment of medical waste in pneumonia epidemic situation was put forward



Point out the technical points of emergency disposal of medical waste in pneumonia epidemic



## Guidelines for Emergency Treatment and Management of Medical Waste in Coronavirus Infected Pneumonia (Trial)

## **Notice on Managing Medical Waste in Medical Institutions During Novel Coronavirus Infection Pneumonia Epidemic**



Implementing the primary responsibility of medical institutions



Strengthening the separate collection of clinical waste



Strengthening the transport and storage of clinical waste

## **Notice on Supervision of Medical Sewage and Urban Sewage for Novel Coronavirus Infected Pneumonia Epidemic**

- ◆ Further strengthening the protection of drinking water sources and do a good job in monitoring water quality to ensure that drinking water sources are not polluted.
- ◆ Classification of sewage and waste collection and treatment to ensure stable discharge standards
- ◆ Strengthening the supervision of rural medical sewage disposal

# Novel Technical Plan for Emergency Treatment of Contaminated Medical Sewage (Trial)



Emergency plans for disinfection treatment using chemical agents are provided

An emergency plan for disinfection with special equipment is provided

The corresponding requirements for sludge treatment and disposal were put forward

The guidelines and norms for other technical points of sewage emergency treatment are clarified

# Guidelines on coordinating epidemic prevention and control, economic and social development, ecological and environmental protection



## Implement "two 100%"

100% full coverage of environmental supervision and services for all medical institutions and facilities nationwide, and 100% full implementation of timely and effective collection, transfer, treatment and disposal of medical waste and wastewater.



## Highlight "Three Pollution Controls"

- Strengthen precise pollution control and improve the pertinence of pollution control;
- Implement scientific pollution control and continuously meet the actual needs of pollution control;
- Adhere to the pollution control according to the law, and create an atmosphere of knowing the law and abiding by the law



## Create "Two Lists"

- Formulate and implement a positive list of EIA approvals to facilitate project construction;
- Formulate and implement a positive list of supervision and law enforcement to play an incentive-oriented role



## Shoulder the main responsibility

Take up the main responsibility, do a good job of implementation, and achieve a win-win situation in epidemic prevention and control, business resumption of work and production, and ecological and environmental protection.



# Provincial or Regional Level

Provincial	Policy name	Epidemic Prevention and Control Category
Hubei	Notice on Doing a Good Job in the Prevention and Control of the Novel Coronavirus Pneumonia Epidemic in the Housing and Urban-Rural Construction System	Ecological protection
	Notice on Doing a Good Job in the Supervision of Medical Wastewater and Urban Sewage in the Pneumonia Epidemic of Novel Coronavirus Infection"	Medical sewage
Gansu	Implement the most stringent prevention and control measures to strengthen the implementation plan for the prevention and control of pneumonia caused by new coronavirus infection (revised version)"	Medical Waste
Guangdong	Environmental Management Plan for Emergency Disposal of Medical Waste in Guangdong Province in Response to the Pneumonia Epidemic of Novel Coronavirus Infection (Trial)	Medical Waste
	Urgent notice on strengthening the management of discarded masks and doing a good job in the prevention of pneumonia caused by new coronavirus infection	Medical Waste
Jiangsu	Requirements for on-site monitoring and protection of ecological environment in response to new coronavirus-infected pneumonia (trial)	Medical Waste, Medical sewage
Sichuan	Technical Guidelines for Pollution Prevention and Control of Emergency Disposal of Medical Waste in the Epidemic of Novel Coronavirus Pneumonia (Trial)	Medical Waste
	Notice on the treatment of rural domestic waste during the epidemic	Rural Domestic Refuse
Shandong	Urgent Notice on Further Doing a Good Job in the Response and Prevention of the Novel Coronavirus Pneumonia Epidemic	Medical Waste
Xinjiang	Urgent notice on solidly doing a good job in the prevention and control of the new coronavirus-infected pneumonia epidemic in the housing and urban-rural construction system of the autonomous region	Ecological protection
Zhejiang	Notice on clarifying the work requirements for each link of environmental management of medical waste in the pneumonia epidemic of new coronavirus infection	Medical Waste
Qinghai	Notice on doing all the work related to water environment protection during the prevention and control period of pneumonia caused by new coronavirus infection	Medical sewage
Hunan	Urgent Notice on Effectively Strengthening the Management of Medical Waste Wastewater and Special Waste in the Pneumonia Epidemic of Novel Coronavirus Infection	Medical Waste, Medical sewage

# Major policies on carbon carbon peaking and carbon neutrality

**Proportion of non-fossil energy:**  
2025: 20%;  
2030: 25%;  
2060: more than 80%

**Strengthen top-level design  
and make overall deployment**

Announcing a series of new measures for China's Nationally Determined Contribution

**2020.12.12**

**Climate ambition summit**

It is necessary to do a solid job of carbon peaking and carbon neutralization, and formulate an action plan for carbon emission peaking before 2030

**2021.3.5**

**Government Work Report**

"Opinions of the State Council on Completely Accurately Implementing the New Development Concept and Doing a Good Job in Carbon Neutralization"

**2021.9.22**

The "14th Five-Year Plan" Comprehensive Work Plan for Energy Conservation and Emission Reduction proposes ten key projects including green upgrades in key industries, and clarifies specific goals and tasks.

**2022.1.24**

**2020.12.16~12.18**  
**Central Economic Work Conference**

Make carbon peaking and carbon neutrality one of the key tasks in 2021, and make clear arrangements for climate change work.

**2021.3.13**  
**The Fourth Session of the Thirteenth National People's Congress**

"The 14th Five-Year Plan for the National Economic and Social Development of the People's Republic of China and the Outline of the Vision for 2035"

**2021.10.26**

"Notice of the State Council on Printing and Distributing the Action Plan for Carbon Peaking Before 2030"

**2021.12.21**

"Notice on Launching Climate Investment and Financing Pilot Work" Explores Differentiated Climate Investment and Financing Systems and Mechanisms

**2022.4.10**

The "Opinions on Accelerating the Construction of a National Unified Market" to create a unified market for factors and resources, including building a national unified energy market and cultivating and developing a national unified ecological environment market.

# Establishing the "1+N" policy system for carbon peaking and carbon neutrality



**September 22, 2021**

**State Council of the Central Committee of the  
Communist Party of China**

“Opinions on complete, accurate and comprehensive implementation of the new development concept and carbon neutralization for carbon peak”



**October 26, 2021**

**State Council of the Central Committee of the  
Communist Party of China**

“Action Plan for Carbon Peaking by 2030”

# “Opinions on complete, accurate and comprehensive implementation of the new development concept and carbon neutralization for carbon peak”

## Proposed 31 key tasks in 10 aspects, and clarified the roadmap and construction drawing of carbon neutralization work

The economic system of green, low-carbon and circular development has been initially formed, and the energy utilization efficiency of key industries has been greatly improved. The energy consumption per unit of GDP will decrease by 13.5% compared with 2020; the carbon dioxide emission per unit of GDP will decrease by 18% compared with 2020; the proportion of non-fossil energy consumption will reach about 20%; the forest coverage rate will reach 24.1%, and the forest stock volume will reach 180 billion cubic meters, laying a solid foundation for achieving carbon peaking and carbon neutrality.

The comprehensive green transformation of economic and social development has achieved remarkable results, and the energy utilization efficiency of key energy-consuming industries has reached the international advanced level. The energy consumption per unit of GDP has dropped significantly; carbon dioxide emissions per unit of GDP have dropped by more than 65% compared with 2005; the proportion of non-fossil energy consumption has reached about 25%, and the total installed capacity of wind power and solar power has reached more than 1.2 billion kilowatts; forest coverage The rate reached about 25%, the forest stock volume reached 19 billion cubic meters, and the carbon dioxide emissions reached a peak and achieved a steady decline.

A green, low-carbon and cyclical economic system and a clean, low-carbon, safe and efficient energy system have been fully established. Energy utilization efficiency has reached the international advanced level. The proportion of non-fossil energy consumption has reached over 80%. The results have created a new realm of harmonious coexistence between man and nature.

2025

2030

2060

# “Action Plan for Carbon Peaking by 2030”

## □ Top Ten Actions for Carbon Peak

1. Green and low-carbon transformation of energy
2. Actions for energy conservation, carbon reduction and efficiency enhancement
3. Carbon peaking action in the industrial sector
4. Urban and rural construction carbon peak action
5. Green and low-carbon actions for transportation
6. Circular economy helps reduce carbon emissions
7. Green and low-carbon technological innovation actions
8. Actions to consolidate and enhance carbon sink capacity
9. Green and low-carbon action for all
10. Step-by-step carbon peaking actions in various regions



The screenshot displays the official website of the State Council of the People's Republic of China. At the top, the national emblem and the text '中华人民共和国中央人民政府' (Central People's Government of the People's Republic of China) are visible, along with the website address 'www.gov.cn'. A navigation bar includes links for '国务院' (State Council), '总理' (Premier), '新闻' (News), '政策' (Policy), '互动' (Interaction), '服务' (Service), and '数据' (Data). The main content area features a breadcrumb trail: '首页 > 信息公开 > 国务院文件 > 城乡建设、环境保护 > 环境监测、保护与治理'. Below this, a metadata box provides details for the document: '索引号: 000014349/2021-00098', '发文机关: 国务院', '标 题: 国务院关于印发2030年前碳达峰行动方案的通知', '发文字号: 国发〔2021〕23号', '主题词:', '主题分类: 城乡建设、环境保护\环境监', '成文日期: 2021年10月24日', and '发布日期: 2021年10月26日'. The central part of the page contains the title '国务院关于印发2030年前碳达峰行动方案的通知' (Notice of the State Council on Issuing the Action Plan for Carbon Peaking Before 2030) and the reference number '国发〔2021〕23号'. The text of the notice states: '各省、自治区、直辖市人民政府，国务院各部委、各直属机构：现将《2030年前碳达峰行动方案》印发给你们，请认真贯彻执行。' (Provincial, autonomous region, and municipal governments, and various departments and agencies of the State Council: I have now issued the 'Action Plan for Carbon Peaking Before 2030' to you, please seriously implement it.) The notice is signed by the State Council on October 24, 2021. A note at the bottom indicates '(本文有删减)' (This article has been edited).

# Establishing the "1+N" policy system for carbon peaking and carbon neutrality

## "N" series

"N" series	Times	Policy
Green and low-carbon transformation of energy	2022.3.23	Medium and long-term plan for the development of hydrogen energy industry (2021-2035)
Actions for energy conservation, carbon reduction and efficiency enhancement	2022.3.22	"14th Five-Year" Modern Energy System Planning
	2022.1.24	"14th Five-Year Plan" Comprehensive Work Plan for Energy Conservation and Emission Reduction
	2022.2.3	Implementation Guidelines for Energy Conservation and Carbon Reduction Transformation and Upgrading in Key Areas of High Energy-consuming Industries (2022 Edition)
Carbon Peak Action in Industrial Sector	2021.12.3	"14th Five-Year" Industrial Green Development Plan
	2022.1.20	Guiding Opinions on Promoting High-Quality Development of the Iron and Steel Industry
	2022.2.11	Implementation Guide for Energy Saving and Carbon Reduction Transformation in Cement Industry
	2022.3.28	Implementation Opinions on Promoting the High-quality Development of the Fossil Chemical Industry during the "14th Five-Year Plan"
	2022.4.12	Guiding Opinions on the High-Quality Development of the Chemical Fiber Industry
	2022.4.12	Guiding Opinions on the High-Quality Development of the Industrial Textile Industry
	2022.8.1	Carbon peaking implementation plan in the industrial field
Urban and Rural Construction Carbon Peak Action	2021.10.21	Guiding Opinions on Promoting Green Development of Urban and Rural Construction
	2022.3.1	"14th Five-Year" Housing and Urban-Rural Construction Technology Development Plan
	2022.3.11	"14th Five-Year" Building Energy Efficiency and Green Building Development Plan
	2022.6.30	Implementation plan for carbon reduction and carbon sequestration in agriculture and rural areas
	2022.7.13	Implementation plan for carbon peaking in urban and rural construction

# Establishing the "1+N" policy system for carbon peaking and carbon neutrality

## "N" series

"N" series	Times	Policy
Green and Low-Carbon Actions in Transportation	2022.6.24	Implementing Opinions on Implementing the Opinions of the Central Committee of the Communist Party of China and the State Council on Completely and Accurately Implementing the New Development Concept and Doing a Good Job in Carbon Neutralization
Circular economy helps reduce carbon emissions	2021.7.1	The 14th Five-Year Plan for Circular Economy Development
Green and low-carbon technological innovation actions	2022.4.2	The 14th Five-Year Plan for Scientific and Technological Innovation in the Energy Sector
Action to consolidate and enhance carbon sink capacity	2022.2.21	The method of accounting for the economic value of ocean carbon sinks
	2022.2.11	Forest and Grass Industry Development Plan (2021-2025)
Green and low-carbon national action	2022.5.7	Work plan for strengthening the construction of carbon peak carbon neutral higher education personnel training system
Echelon and orderly carbon peaking actions in various regions	The specific implementation policies of each region are issued in the form of strategic guidance documents, guarantee supporting documents, local regulations, etc.	
Safeguard Policy	2021.12.21	Notice on Carrying out the Pilot Work of Climate Investment and Financing
	2022.3.15	Notice on Doing a Good Job in the Management of Corporate Greenhouse Gas Emissions Reporting in 2022
	2022.5.31	Guidelines for Preferential Tax and Fee Policies to Support Green Development
	2022.5.31	Opinions on financial support for carbon peaking and carbon neutrality

# 02



## **Characteristics of environmental protection policies in China under the COVID-19**

# Characteristics of environmental protection policies in China under the COVID-19

## Taking multiple measures to actively promote ecological protection related to epidemic prevention and control

- ✓ A leading group for epidemic response has been established, and a collaboration mechanism with vertical and horizontal linkages and horizontal and left-right interactions has been established.
- ✓ Schedule the operation and disposal of medical waste treatment and disposal facilities across the country

## Fully guarantee the environmental emergency response capabilities in high-risk areas for epidemic prevention and control

- The Ministry of Ecology and Environment is actively coordinating to speed up the deployment of mobile disposal equipment and improve the emergency response capabilities of Wuhan and other high-risk cities. Relying on the China Environmental Protection Foundation, China Environmental Protection Industry Association and other social organizations to mobilize the whole society to implement the purchase plan of medical waste transportation vehicles, and improve the transportation capacity of medical waste.

01

02

03

04

## Actively improve emergency response management policies and measures during the epidemic

- A series of departmental regulations and more than 20 pollution prevention standards and regulations have been promulgated and implemented successively
- "Prevention and Control · 28 · China Environmental Management 2020 No. 3 Novel Coronavirus Infection Pneumonia Epidemic Emergency Monitoring Plan" "Notice on Doing a Good Job in the Supervision of Medical Sewage and Urban Sewage in the Novel Coronavirus Pneumonia Epidemic"

## Promoting the environmental protection work related to the resumption of work and production in an orderly manner

- Implemented the "Guiding Opinions on Coordinating the Epidemic Prevention and Control and Ecological and Environmental Protection of Economic and Social Development" .
- The national medical waste and medical sewage treatment and disposal is stable and orderly, and no situation affecting environmental safety due to epidemic prevention and control has been found.

# 03



## **Effect of environmental protection policies in China under the COVID-19**

# The effect of environmental protection policies since the outbreak of COVID-19

## ➤ Eco-environmental quality monitoring results (2020/2/1-2020/2/19)

### Air monitoring

The average number of good days in 337 cities at the prefecture level and above was 87.1%, up 9.3 percentage points from the same period last year

### Water monitoring

The proportion of the national surface water grades I to III water quality sections is 87.3%, the proportion of the grades IV and V grades is 10.8%, and the proportion of the inferior grade V sections is 1.9%, which is basically stable compared with the same period last year.

### Drinking water sources monitoring

The water quality of drinking water sources affected by the epidemic has not been found.

## ➤ National Medical Waste Safe Disposal Situation (2020/2/12)

### Entire country

On February 11, the national medical waste disposal capacity was 5,435 tons/day, an increase of 532 tons/day compared with before the outbreak; a total of 2,661 tons of medical waste were collected nationwide, of which 489 tons were epidemic-related medical waste, accounting for 18.4% of the national medical waste collection. %; 2,641 tons were centrally disposed of on that day, with an average operating load rate of 48.6%.

### Hubei

On February 11, the province's actual operation and disposal capacity of medical waste was 317.5 tons/day, an increase of 137.5 tons/day compared with before the outbreak of the epidemic. In addition, there was an emergency disposal capacity of 55.8 tons/day that could be activated at any time; the province collected a total of There were 187 tons of medical waste, including 125 tons of medical waste related to the epidemic, accounting for 67% of the province's medical waste collection; 196 tons were centrally disposed of on that day, with an average load rate of 62%.

### Wuhan

On February 11, the city's actual disposal capacity of medical waste was 100.5 tons/day, an increase of 50.5 tons/day compared with before the outbreak; a total of 47 tons of medical waste were collected in the city, all of which were disposed of as medical waste related to the epidemic; 57 tons (including 10 tons in stock), with an average load rate of 57%; the stock has been fully disposed of. Since January 20, the city has disposed of 1,123.8 tons of medical waste.

## ➤ Phase of the fight against COVID-19 in China

Phase 1:  
Respond promptly to emergencies



2019/12/27-2020/1/19

Phase 2:  
Initially curb the spread of the epidemic



2020/1/20-2020/2/20

Phase 3:  
Local new cases gradually drop to single digits



2020/2/21-2020/3/17

Phase 4:  
Achieve decisive results in the defense of Wuhan and Hubei



2020/3/18-2020/4/28

Phase 5:  
Normalization of epidemic prevention and control

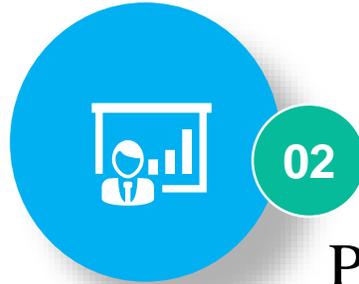


2020/4/29-

# Environmental protection policies and regulations under the COVID-19



The national capacity for medical waste disposal has been strengthened



Pollutant emissions in some industries have been greatly reduced in the short term



Strengthen the environmental emergency and other work of the normal management

# Thank you!



生态环境部环境规划院

