

# Countermeasures to Mitigate the Impacts of the COVID-19 on the Water Sector



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# Preventing flood and drought

- ✓ Keep to a close attention to anti-over-standard floods
- ✓ Prevent reservoir failures and mountain floods
- ✓ Guide and inspect the local authorities to repair damaged caused by floods
- ✓ Formulate contingency plans to deal with over-standard floods
- ✓ Good regulate large and medium-sized reservoirs operation
- ✓ Train over 10,000 local staffs from 2076 counties



Fig 1. CCTV reported on the work about repairing damaged caused by floods



Fig 2. People's Daily reported on the water level control during the flood season



Fig 3. Online training for local staffs in Qinghai province

## Maintaining the water projects safe operation

- ✓ Spot checks on embankments and reservoirs
- ✓ Three Gorges Reservoir has increased its discharge
- ✓ The Middle Route Scheme of the South-to-North Water Diversion Project has ensured the water consumption of people and cities
- ✓ The East Route Scheme has diverted more than half of the total planned water quantity



Fig 4. CCTV reported on the joint defense and joint control measures and the resumption of water project



Fig 5. Three Gorges Reservoir has increased its discharge



Fig 6. Patrol gate station of the South-to-North Water Diversion Project in YuZhou, Hubei province

# Ensuring drinking water safety and discharge safety

## ➤ Drinking water safety

### ✓ Rural Area

- Enclosed management of the water plants
- Timely maintenance of equipment
- Patrolling water source
- Cross-region regulation facilities

### ✓ Urban Area-Wuhan

- Effective three kinds of monitoring system
- Ensure water quality from water source to faucet
- Ensure the domestic water use
- Ensure the hospital water supply



Fig 7. Wuhan Water Group Limited Company strengthen water source monitoring



Fig 8. Intelligent water system from Wuhan Water Group Limited Company

## ➤ Discharge safety

- ✓ Monitoring the process of sewage water treatment, including:
  - The quality of discharged water after treatment
  - The sludge
- ✓ Make sure the employees not be infected



Fig 8. Sewage treatment plant in Huangjiahu, Wuhan province



Fig 9. The operation of sewage treatment facilities were inspected in Huangping county, Guizhou province

- ✓ Repair the channels in time
- ✓ Monitor the soil moisture content
- ✓ Implement the irrigation water use plan
- ✓ Improve the irrigation system for water-saving

**12.8 billion m<sup>3</sup> water has been irrigated on the 6.53 million hectares of farmland.**



## “小麦，浇好开春这遍水”



新华社

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新华社北京3月26日电（记者王立彬）目前北方冬小麦大部处于返青拔节期，春播生产、夏粮春管，“小麦，浇好开春这遍水”成为春耕主旋律。

记者26日从水利部获悉，在华北及黄淮海平原，河北、山西、山东、河南等冬麦区是当前春灌重点。作为小麦主产区，开春以来河北、河南等地雨水偏少，水利部门在做好疫情防控同时，采取有效措施，抓好春耕灌溉供水保障工作，各灌区陆续开闸放水。自3月13日以来，南水北调中线一期工程总干渠逐步将输水流量加大至设计流量350立方米每秒。

“小麦开春这遍水非常重要。”国网莱州市供电公司有关负责同志说，作为种粮大市，莱州市今年小麦种植面积达70余万亩，目前公司由营销部彩虹共产党员服务队牵头，成立了16支供电所春灌服务队，走进田间地头、井口渠边，已经为103户农业生产客户提供现场用电服务，完成排灌业扩工程送电33户，开展夜巡、特巡16次，巡视维护机井485眼。

农业气象苗情监测显示，目前北方冬小麦苗情好于上年同期和近五年平均状况，其中山东、河北、河南一类苗比例分别达到69%、33%和26%。当前重点工作是根据墒情苗情做好田间管理，适时中耕除草追肥，缺墒麦田合理春灌。

Fig 10. Xinhua News Agency reported on irrigation for spring

## Resumption of construction in the water projects

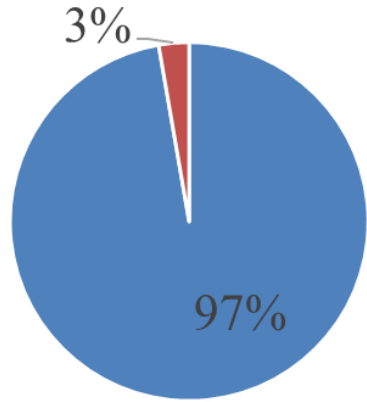


Fig 11. 107 out of 110 major water projects under construction have resumed

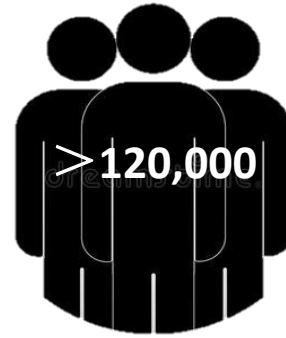


Fig 12. More than 120,000 staffs on site construction

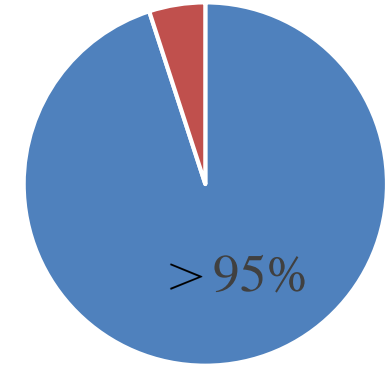


Fig 13. More than 95% small and medium-size projects have been resumed

## Preventing infection



Fig 14. Separate meals during quarantine period and work resumption



Fig 15. Measuring temperatures



Fig 16. Working from home



**Thank you for your attention!**

