

Environmental Monitoring Report

#1 Report
December 2020

People's Republic of China: Public-Private Partnerships Demonstration Program to Transform Delivery of Elderly Care Services in Yichang, Hubei

Prepared by the Yichang Project Office with the assistance of the Gezhouba Group Testing Company for the Yichang Municipal Government and the Asian Development Bank.

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Environmental Monitoring Report 2020

First Report (December 2020)

People's Republic of China: Yichang City Comprehensive Elderly Care Service PPP Demonstration Project

(ADB loan number: 3506-PRC)

December 2020

Prepared by the Yichang Project Office with the assistance of the Gezhouba Group Testing Company for the Yichang Municipal Government and the Asian Development Bank

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I. Description of abbreviations

ADB	–	Asian Development Bank
CSC	–	Construction Supervision Company
EMP	–	Environmental Monitoring Plan
EMR	–	Environmental Monitoring Report
EIA	–	Environmental Impact Assessment
EPB	–	Environmental Protection Bureau
FSR	–	Feasibility Study Repor
IA	–	Implementing Agency
LIEC	–	Loan implementation environmental consulting
PIU	–	Project Implementation Unit
PPP	–	Public-Private Partnership
PRC	–	People's Republic of China
SPS	–	Safeguard Policy Statement

II. Introduction

A. Report purpose and reasonableness

1. This ADB loan project has prepared an independent environmental impact assessment report to evaluate and evaluate the overall project activities to ensure the effective implementation of the environmental management plan.
2. The purpose of this environmental monitoring report is to record the environmental activities and project results during the project implementation period. This issue is the first environmental monitoring report. This semi-annual report of environmental monitoring includes the compliance status of the environmental management plan during the construction phase. In accordance with the goal of reducing the negative environmental impact of the project, and all relevant Chinese regulations and standards, as well as the policies of the Asian Development Bank, this report will focus on: (i) the progress of the implementation of the environmental management plan, (ii) the implementation of mitigation measures, (iii) Environmental monitoring and compliance, (iv) strengthened training by institutions, (v) public consultation, and (vi) problems occurred and corrective measures taken.

B. Project objectives and sub-items

3. The project is set up to (i) improve the design, planning, procurement, implementation and supervision capabilities of Yichang PPP projects; (ii) based on the PPP model, build a “medical care and treatment comprehensive demonstration base” and a “Community elderly care complex demonstration base” in Yichang City , arranging 1,257 beds for elderly care, providing 1,097 home care services, and increasing the supply and service capacity of elderly care beds in Yichang City; and (iii) Summarize and promote the experience of the elderly care service PPP model to provide theoretical and practical reference to domestic similar cities and governments at all levels. This project is in line with the two core business areas of "infrastructure" and "regional cooperation and integration" supported by ADB's 2020 strategy. At the same time, it is in line with and supports the focus of the "aging society" concerned by ADB's China Country Partnership Strategy (2021-2025). This project will (i) provide a model for the design, practice and operation of the elderly care service PPP project, and provide a reference model for the introduction of social capital in the elderly care service project and realization of the real public-private partnership; (ii) greatly alleviate the current situation of the number of elderly care beds in Yichang City, and improve the living environment, lifestyle and quality of elderly care in Yichang City, and directly or indirectly improve the health, life index and happiness index of the elderly; (iii) alleviate the burden of Yichang’s over-reliance on medical care and public elderly care institutions, and optimize medical care resource allocation, and improve the efficiency and effectiveness of medical care public

services; (iv) increase employment opportunities, and drive employment in Yichang City, and stimulate the development of the industrial chain, and cultivate new economic growth areas.

4. The original project consisted of 4 sub-projects, but now it has varied to two, namely the medical care and treatment comprehensive demonstration base project and the Community elderly care complex demonstration base project (the domestic environmental impact assessment document has been prepared). So far, no other significant or progressive environmental impacts have been found.
5. The project variation includes the following contents: (1) cancel the project of the former Yichang Art School at the intersection of Xinghuo Road and Meteorological Station Road; (2) cancel the project of the former site of the Xiling Branch of the Yichang Public Security Bureau (next to the former Yichang Art School)

Table 1: Original project scope and revised project scope (December 2020)

Sub-project	Content in the evaluation phase	Updated in September 2017
The site of the former Yichang City Art School Site	the Project of the formal Yichang City Art School at the intersection of Xinghuo Road and Meteorological Station Road, where the existing buildings are idle and needed to be renovated	Cancel
The site of the former Xiling Branch of the Yichang Public Security Bureau	The project of the former Xiling Branch of the Yichang Public Security Bureau (next to the former site of the Yichang Art School), where the existing buildings are idle, and all buildings are either renovated or rebuilt after demolishing.	Cancel

C. Project implementation progress

6. The project has not yet officially started, and the relevant construction permits are being processed. And what's more, the Yichang Municipal Government and the Project Management have started and have been actively engaged in preparatory work in order to ensure the timely and smooth implementation of the project.
7. Medical care and treatment Comprehensive demonstration base: The project of comprehensive demonstration Base of medical and Nursing treatment is planned to enter the market in early March 2021, and the construction work of the main entrance of Jiawan Road in Zone A is ready. including setting up temporary

structures, enclosures, etc. , and the construction of other areas has not yet started.

8. Community elderly care complex demonstration base: The construction staff has entered the site in October 2020. So far, a major import and export vehicle cleaning platform has been set up and a steel bar processing plant has been built. Currently only supervision personnel are present on site and site construction is at a standstill. It is planned to resume construction in April 2021.

III. Implementation organization establishment and supervision responsibilities of environmental management plan

A. Responsibilities of environmental management

9. Staff of Yichang Project Office and Sub-project implementing organization: Yichang Project Office and sub-project implementing organization will assign full-time environmental staff to be responsible for coordinating the implementation of the environmental management plan, which includes: (i) reviewing and approving the site management plan submitted by the contractor; (ii) participating in internal monitoring; (iii) acting as a local entry point for the project complain remediation mechanism; (iv) submitting quarterly inspection results for the contractor's reference, which shall be verified and confirmed by the project implementation organization and Project Promotion Office.
10. Loan implementation expert: will (i) assist the Project Promotion Office to update the environmental management plan and environmental monitoring plan; (ii) verify the implementation of the environmental protection measures specified in the environmental management plan; (iii) review the environmental monitoring report and semi-annual environmental performance report; (iv) Prepare the monitoring part of the environmental management plan for the semi-annual/annual project progress report; (v) Provide environmental management implementation and monitoring training for the staff of the Project Promotion Office, project implementation organization, construction contractor and construction supervision company; (vi) Determine any environmental implementation problems, suggest necessary corrective measures, and reflect these in the environmental management plan; (vii) If necessary, conduct on-site visits.
11. External environmental monitoring: Yichang Jiantou Health Industrial Investment Co., Ltd. has signed an external environmental monitoring agreement with Gezhouba Group Testing Co., Ltd. They have carried out external monitoring preparation. As of March 2021, they have carried out on-site exploration on the sub-projects of the medical care and treatment comprehensive demonstration base and Community elderly care complex demonstration base. Due to the on-site construction of the two sub-projects has not been fully carried out, the actual environmental monitoring activities have not yet begun. When the on-site construction of the project is in full swing, they will immediately carry out external monitoring activities.
12. Construction Supervision Company (CSC): At present, the implementation organization of the sub-project has employed a supervision company for each contract package to conduct internal environmental monitoring and inspection of the construction contract. The monitoring and inspection results are reported to the sub-project implementing agencies every month. All supervision companies have professional skills on the environment, health and safety of the construction site. They carry out inspection and supervision work every day, and submit them

to the sub-project implementation organization in the form of monthly reports.

B. Environmental requirements are integrated into the contract

13. The primary goal of the project environmental management plan is to ensure that the environmental requirements in the planning/design phase and subsequent identification, are implemented and effectively managed during the project life cycle. In addition to integrating the environmental requirements into the technical specifications in the bidding documents, the environmental requirements shall be part of the project contract requirements. For example, the environmental requirements are listed in the special terms in the contract, as follows:
- i. The contractor shall: (a) establish an environmental pollution prevention and control management responsibility system; (b) assume responsibility for breach of the environmental protection agreement.
 - ii. The contractor shall assist the relevant government management department in the inspection, supervision and management of the environmental pollution on the construction site, and timely rectify the existing problems.
 - iii. The contractor shall ensure that the special funds for safety protection, civilized construction measures and dust pollution prevention measures are used exclusively, which shall not be intercepted or misappropriated to ensure effective use, and shall be supervised by the owner.
 - iv. The contractor shall, in accordance with the law, follow the procedures such as relevant construction supervision, environmental protection, traffic management, urban management and others in a timely manner.
 - v. The contractor should actively accept the supervision of relevant government departments and the owner;
 - vi. The contractor shall comply with the regulations on civilized construction and dust pollution prevention and control of governments at all levels, formulate civilized construction measures and corresponding special plans for dust pollution prevention and control in accordance with laws and regulations in combination with the actual project, and implement them seriously;
 - vii. The contractor shall promptly rectify the related problems existing in the construction;
 - viii. For any environmental pollution issue that is notified and criticized by the environmental protection department of the government at or above the county (city, district) level, the contractor shall be liable for breach of the corresponding environmental protection agreement.

IV. Compliance with the terms of environment-related items

14. So far, all environmental-related terms in the loan agreement and the project agreement have been implemented in accordance with the provisions. The list of relevant environmental impact terms and compliance are shown in Table 2.

Table 2 Compliance with the environmental-related terms

Environmental-related Terms	Compliance
<p>The Hubei Provincial Government and Yichang Municipal Government shall:</p> <ul style="list-style-type: none"> (i) Ensure that all construction or restoration works of the project do not involve adverse environmental impacts of Category A under SPS; (ii) Before carrying out any construction or restoration of the project, the Hubei Provincial Government and Yichang Municipal Government will conduct screening to ensure that the project does not include projects that may be classified as environmental impacts under SPS; 	<ul style="list-style-type: none"> (i) Complying. At present, all construction or restoration works under the project do not involve adverse environmental impacts of Category A under the SPS
<p>All activities of the project including the preparation, design, construction, implementation, operation and termination for the Hubei Provincial Government and Yichang Municipal Government are in accordance with:</p> <ul style="list-style-type: none"> (i) All applicable laws, regulations and guidelines on environment, health and safety issued by the government; (ii) Environmental protection stipulated by SPS; (iii) As well as various management regulations and requirements, including monitoring requirements stipulated in the project action plan. 	<ul style="list-style-type: none"> (ii) Complying. (i) Complying. (ii) Complying. (iii) Complying. The monitoring results are summarized in the external environmental monitoring report and submitted to ADB every six months.

V. Implementation of environmental mitigation measures during the reporting period

15. The summary of potential environmental impacts and mitigation measures of each sub-item during the reporting period is shown in Table 3. Comparing with the provisions in the environmental monitoring plan, the implementation of the mitigation measures is shown in the last column of the table.

Table 3 Potential environmental impacts and mitigation measures

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management plan compliance
A. Design phase			
Atmosphere	The impact of on-site dust and flying dust on the ambient air during the construction period	<ul style="list-style-type: none"> Set up uniform enclosures on the construction site, and spray water appropriately to reduce flying dust. The site construction roads shall be arranged in combination with the permanent roads in the design, and the base of the construction roads shall be implemented in accordance with the design requirements to reduce road dust. 	Complying. A unified fence has been set up on the construction site, and the fog cannon and sprinklers have entered the site. On-site road construction has not yet started.
B. Construction phase			
	Dust will be generated from vehicles traveling and temporary storage yards.	<ul style="list-style-type: none"> Implement enclosed construction, use enclosure materials to prevent dust, and set up enclosures with a height of 2.4m and above; Dense-mesh protective nets or dust-proof cloths for effective dust suppression are set on the outside of the scaffolding; The transportation vehicles are covered with tarpaulin; Set up a car washing 	Complying. The sub-project of the Community elderly care complex demonstration base has set up vehicle washing platforms at the main entrance and exit of the construction site, and all projects have adopted measures of enclosure, sprinkling and dust reduction, as

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management plan compliance
		platform, equipped with a water pump; <ul style="list-style-type: none"> The working surface and temporary soil pile shall be properly sprinkled, equipped with water pumps and catch basins. 	well as temporary coverage and greening.
Atmosphere	Welding fume and grinding dust will be generated during the welding of steel bars, rust removal and grinding, and interior wall grinding.	<ul style="list-style-type: none"> Set up barriers in the upper wind direction of sensitive points or around the work stations to control the direction of dust diffusion and reduce the degree of influence. 	Complying. <p>In the sub-project of the Community elderly care complex demonstration base , a steel bar processing plant has been built, and a fence has been set up on the side adjacent to the road. Currently, steel bar processing activities have not yet started.</p>
	Interior and exterior wall decoration will produce paint and coating waste gas.	<ul style="list-style-type: none"> Using techniques such as rolling and brushing, the decoration materials should meet the requirements of ten national standards such as the "<i>Limits of Hazardous Substances in Indoor Decoration Materials</i>" (GB 18580-2001-GB 18588-2001 and GB 6566-2001). 	Not yet involved.
	Exhaust gas from diesel combustion	<ul style="list-style-type: none"> It is rapidly diluted and diffused by air, and does not have much impact on 	Complying. <p>It has not been found</p>

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management plan compliance
	and car driving will produce exhaust gas	the ambient air quality at sensitive points.	that diesel combustion exhaust gas and automobile driving exhaust have much impact on the ambient air quality.
	Foundation pit excavation drainage, bored pile drainage, construction maintenance drainage, equipment cleaning and vehicle flushing water. °	<ul style="list-style-type: none"> • Build a sedimentation tank on the project site, and discharge the construction wastewater into the municipal sewage pipe network after being treated by the oil separation sedimentation tank; • It is strictly forbidden to directly discharge construction wastewater into open drainage channels. ° 	<p>Complying.</p> <p>No construction wastewater was directly discharged into the open drainage channel on site.</p> <p>Complying.</p> <p>The original living facilities and drainage pipe network at the site of the medical care and treatment comprehensive demonstration base are not sound, with the original drainage method of mixed drainage of rain and sewage to nearby ditches. At present, some construction</p>
Sewage	Domestic sewage generated by the staff during the construction period	<ul style="list-style-type: none"> • Using the original living facilities and drainage pipe network at the site of the project, and the generated domestic sewage can be discharged with living facilities in the base. 	

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management plan compliance
			workers rent nearby residential houses. As the project progresses, the construction of living facilities and drainage pipe network will be gradually improved , and construction domestic wastewater will be treated in septic tanks and then discharged to the municipal sewage pipe network.
Solid waste	Domestic garbage of construction workers, construction waste, and various discarded building decoration materials and other construction wastes	<ul style="list-style-type: none"> • It is forbidden to dump construction waste into open drainage channels, block the channels, and strengthen the drainage and protection of open drainage channels; • The generated construction waste shall be uniformly disposed of in accordance with the requirements of the Yichang Municipal Waste Management Department • Household garbage is collected by decentralized garbage bins, and is cleaned and transported daily by the urban management department for harmless treatment. 	<p>Complying.</p> <p>No construction waste was found to be dumped into the open drainage channel on site; the construction site of each subproject is equipped with a waste collection system.</p>
Noise	Mechanical noise, construction	<ul style="list-style-type: none"> • Strengthen construction management, arrange construction work time 	Complying. High-noise construction operations have not yet been

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management plan compliance
Ecology	work noise and construction vehicle noise	<p>reasonably, and prohibit high-noise construction work at night;</p> <ul style="list-style-type: none"> • Construction machinery shall be placed as far as possible in the place that has the least impact on the outside of the site. • Set up shelters around high-noise equipment; • Try to reduce the number of vehicles and traffic density in the construction area, and control the whistle of vehicles; • Take measures for labor protection, and let workers operating near the noise source wear protective earplugs. • Preserve the surface soil during excavation of earth and rock, land leveling and other construction activities; 	<p>carried out, and civilized construction requirements for noise control and management are available for all construction sites.</p>
	Surface disturbance, vegetation destruction, and soil erosion caused by construction activities	<ul style="list-style-type: none"> • Strengthen water and soil conservation measures during the construction period; • Vegetation restoration and greening shall be carried out in time after the completion of construction; • Increase the publicity and management of ecological protection during the construction period, and strengthen the ecological 	<p>Complying.</p> <p>Environmental protection signs are installed on the site, and the ecological protection awareness of relevant personnel has been strengthened in daily construction activities.</p>

Factors related to the environment	Potential impacts of the project	Related mitigation measures	Implementation and environmental management compliance	and plan
		protection awareness of construction workers.		

VI. Summary of Environmental Monitoring

A. Monitoring plan and responsibilities

16. The monitoring plan is shown in Table 4. This plan considers monitoring scope, environmental media, monitoring parameters, time and frequency.

Table 4 monitoring plan

Items	Parameters	Location	Time and frequency
Medical care and treatment Comprehensive Demonstration Base -Construction Phase			
1. Sewage	pH, SS, COD _{Cr} , BOD ₅ , animal and vegetable oils、 NH ₃ -N	Sewage discharge outlets in the construction area	Samples are taken 4 times a day at each point for 3 consecutive days
2. Atmosphere	PM ₁₀ (D) , PM _{2.5} (D) , SO ₂ , NO ₂	one point in the upwind direction and 3 points in the downwind direction in the construction area.	Samples are taken 3 times a day at each point for 2 consecutive day
3. Noise	L _{eq} [dB(A)]	A representative sensitive point within 150 meters from the construction area	Once during the day
Community Elderly Complex Demonstration Base-Construction Phase			
1. Sewage	pH, SS, COD _{Cr} , BOD ₅ , animal and vegetable oils、 NH ₃ -N	Sewage discharge outlets in the construction area	Samples are taken 4 times a day at each point for 3 consecutive days
2. Atmosphere	PM ₁₀ (D) , PM _{2.5} (D) , SO ₂ , NO ₂	one point in the upwind direction and 3 points in the downwind direction in the construction area.	Samples are taken 3 times a day at each point for 2 consecutive day
3. Noise	L _{eq} [dB(A)]	A representative sensitive point within 150 meters from the construction area	Once during the day

pH = pH, SS = suspended solids, COD_{Cr} = chemical oxygen demand, BOD₅ = five-day biochemical oxygen demand, NH₃-N = ammonia nitrogen, PM₁₀ (D) = respirable particulate matter (average daily value), PM_{2.5} (D) = Fine particulate matter (average daily value), SO₂ = sulfur dioxide, NO₂ = nitrogen dioxide, L_{eq} [dB(A)] = equivalent continuous A sound level.

17. Monitoring methods are shown in Table 5. National standard pollutant monitoring methods will provide guidance for monitoring. Other relevant standards are the

national environmental quality standards and pollutant discharge standards.

Table 5 Environmental monitoring methods

Monitoring type	Monitoring factor	Standards
Sewage	pH	"Water Quality Determination of pH Value Glass Electrode Method" (GB/T 6920-1986)
	SS	"Water Quality Determination of Suspended Matter-Gravimetric Method" (GB/T 11901-1989)
	COD _{Cr}	"Water Quality Determination of Chemical Oxygen Demand Dichromate Method" (HJ 828-2017)
	BOD ₅	"Water Quality Five-day Biochemical Oxygen Demand (BOD ₅) Determination, Dilution and Inoculation Method" (HJ 505-2009)
	Animal and vegetable oils	"Water quality, determination of petroleum, animal and vegetable oils, infrared spectrophotometry" (HJ 637-2018)
Ambient air	NH ₃ -N	"Water Quality Determination of Ammonia Nitrogen-Nessler's Reagent Spectrophotometric Method" (HJ 535-2009)
	PM ₁₀	"Ambient air PM10 and PM2.5 determination gravimetric method" (HJ 618-2011)
	PM _{2.5}	"Ambient Air Determination of PM10 and PM2.5 Gravimetric Method" (HJ 618-2011)
Ambient air	SO ₂	"Ambient air determination of sulfur dioxide Formaldehyde absorption-pararosaniline spectrophotometry (HJ 482-2009)
Noise	NO ₂	"Ambient Air Nitrogen Oxide (Nitrogen Monoxide and Nitrogen Dioxide) Determination Naphthalene ethylenediamine hydrochloride spectrophotometric method (HJ 479-2009)
	Leq [dB(A)]	"Acoustic Environmental Quality Standard" (GB 3096-2008)
		"Environmental Noise Emission Standard for Construction Sites" (GB 12523-2011)

B. Monitoring results

- During the reporting period, the construction activities of the project have not yet fully started, and the monitoring has not yet been implemented. The sub-project of the community elderly care complex demonstration base is scheduled to resume construction in April 2021, and environmental monitoring staff can be arranged to enter the site. As the sub-project of the medical care and treatment comprehensive demonstration base has not yet obtained a construction permit, the full construction time cannot be determined at present, so mobilization time of the environmental monitoring cannot be determined yet.

VII. Public Consultation

19. During the preparation of the feasibility study and environmental impact assessment report, various public consultation activities were carried out. During

the preparation of the feasibility study report, various municipal departments were consulted on the site selection and technology of the project. During the preparation of the EIA report, according to the "Interim Measures for Public Participation in Environmental Impact Assessment (2006)" of the Ministry of Environmental Protection (former the State Environmental Protection Administration) and ADB's Environmental Assessment Guidelines (2003), public consultation was conducted with different stakeholder groups.

20. the public consultation plan is part of the project implementation and management plan. During the preparation/design phase, the environmental impact assessment institute and design institute conducted public consultation activities through interviews, questionnaire surveys and information disclosure. During the implementation of the project, the implementing organization is responsible for organizing the relevant public groups for public consultation. The contractor who has started the contract communicated and negotiated with the communities near the construction site of the project, and posted eye-catching announcements at the construction site of each sub-project to inform the public the main The construction information including the construction period of the project, contact person and contact information, to ensure that the public can appeal their concerns and complaints about the construction activities of the project. In addition, citizens can complain about the project through the mayor's hotline (12345). During the reporting period, environmental complaints has not been received for the project.

VIII. Institutional strengthening and training

21. According to relevant requirements, the project executive organization, Project Promotion Office and project implementation organization will receive formal

training, including environmental management plan implementation, supervision and reporting training, and complain remediation mechanism training. The initial training will be in the form of formal workshops, and then the loan implementation environmental consultants and other consulting service experts hired will continue to provide vocational training.

IX. Health and safety management

A. Description of infection

22. The novel coronavirus disease (COVID-19) epidemic is the most widespread global epidemic that humans have encountered in the past 100 years. This is a serious crisis and severe test facing the whole world, and human life, health and safety are facing major threats. Affected by the novel coronavirus epidemic, Yichang City closed all roads in the urban area and the eight counties and cities under the jurisdiction of Zhijiang, Yidu, Dangyang, and Zigui on January 25, 2020, except for green channels. On February 29, 2020, Yichang had no new confirmed cases of new coronary pneumonia for the first time. Wufeng, Yuanan, Xingshan, Zigui, and Yidu were rated as low-risk areas.

B. Impact on the project

23. It is expected in late March 2021, according to the deployment of the State Council, Hubei Province, and the municipal epidemic prevention and control work command team, The free vaccination of novel Coronavirus vaccine in Yichang will be launched. All staff of the implementing organization and the Yichang project office live in Yichang City, they can be vaccinated against the novel coronavirus free of charge. After the vaccination, the novel coronavirus can be effectively prevented, and the epidemic has little impact on the project construction.

C. Virus prevention and mitigation measures

Preventive measures and mitigation measures for project management staff include:

- Disinfect the work area before going to work, and then do it every three days. Key areas such as locker rooms, offices, household garbage dumps, smoking areas, etc., shall be disinfected by dedicated personnel once a day in the morning and evening.
- Before entering the office building every day, check body temperature and wash hands in the bathroom.
- Try not to take public transportation. It is recommended to walk, cycle or take private cars to go to work. If employees must take public transportation, they must wear masks throughout the entire journey to avoid touching their hands with objects in the vehicle, and wash their hands with hand sanitizer after getting off the vehicle.
- For employees traveling in private cars, it is recommended to wipe the interior and door handles with 75% alcohol once a day.
- Don't spit anywhere. When coughing or sneezing, cover your mouth and nose with a tissue or arm (not the palm of your hand). Wrap the protective mask waste and oral and nose secretions with paper towels and put them in a special covered medical waste bucket.
- Employees who return to work normally take daily temperature measurement and physical self-examination. Once abnormal conditions such as fever and fatigue

occur, they shall immediately report to the management department and go to the hospital for medical treatment.

- Toilets and canteens should be equipped with disinfectant hand sanitizer, soap, alcohol cotton balls or disinfectant wipes.
- Before and after taking off the mask, eating and defecation, washing hands with tap water or wipe with alcohol cotton ball.
- Guards, service staff, and cleaning and greening staff must wear masks and rubber gloves, and the above-mentioned protective equipment shall be replaced every day.
- The windows in offices, conference rooms and other crowded places shall be kept ventilated and opened at least twice a day in the morning and afternoon for 30 minutes each.
- During the epidemic prevention and control period, the number of people participating in group activities and large-scale meetings will be temporarily canceled or controlled, and business trips and party activities will be minimized or stopped.
- It is recommended to bring food or utensils. If you are dining out, try to pack your food and return to workplace to eat.

General hygiene requirements:

- Ensure the normal operation of facilities such as hand washing. Wash hands regularly and thoroughly with soap and water or hand hygiene and alcohol-based hand sanitizer before starting work, before eating, during frequent shifts, especially when in contact with colleagues or customers, after going to the bathroom, after contacting with secretions, body fluids and objects that may be contaminated (gloves, clothes, masks, used tissues, waste), take immediate action after removing gloves and other protective equipment, but before touching eyes, nose or mouth.
- Hand-washing sinks, such as hand sanitizer or soap, shall be placed in a prominent place in the workplace, so that all employees, contractors, customers and visitors can contact.
- Clean and disinfect working and living places. Workplaces, canteens, elevators, toilets, wash basins, commuting tools and other public areas and related items shall be disinfected regularly by dedicated personnel. The frequent contact parts such as elevator buttons and door handles shall be properly disinfected.

Emergency preparation and response:

- Each organization shall set up an emergency department to be responsible for COVID-19 risk monitoring and reporting.
- When an infectious disease patient or a patient suspected of an infectious disease is found, the following measures shall be taken: the emergency department must report to the local health authority and the disease control center within 24 hours;

infectious and suspected infectious patients shall be sent to the hospital for treatment; the discoverer shall avoid as much as possible direct or close contact with the patient, and leave the room where the patient is located, and stand guard near the scene to prevent people from entering and exit, and wait for the arrival of hospital personnel; disinfect places and objects contaminated by patients with infectious diseases and suspected infectious diseases, and if necessary, ask the CDC for professional disinfection; close contacts with infectious or suspected patients shall be isolated for clinical observation; special isolation areas shall be set up for employees or workers who need to be observed and isolated; masks, protective clothing, etc. shall be worn when taking care of patients; used masks and protective clothing shall be recycled; after contact with patients, thoroughly clean hands with soap.

X. Conclusion

A. Overall implementation progress of environmental management measures

24. According to the environmental monitoring plan of the PPP demonstration project of comprehensive elderly care services in Yichang, the project office and the project implementation organization have arranged relevant personnel to be responsible for environmental management and supervision.
25. During the reporting period, according to the on-site observation of the consulting team, the implementation of environmental impact mitigation measures can minimize negative environmental impacts during the construction period. The contractor has taken the corresponding environmental mitigation measures detailed in the project's environmental impact assessment report, and paid sufficient attention to the negative environmental impacts that may be caused by the implementation of the project. No complaints were received from the complaint contact information publicized or the mayor's hotline (12345) during the reporting period.

B. Problems found and measures taken

26. Other environmental problems discovered, measures taken and next steps are shown in Table 6 below.

Table 6 Environmental issues and corrective actions

Main issues	Measures taken	Next steps
The living facilities and drainage pipe network of the sub-project of the medical care and treatment comprehensive demonstration base(the former site of the Gezhouba Tourism School on Jiawan Road, Yemingzhu) are not sound,with the original drainage method of mixed drainage of rain and sewage to nearby ditches. The domestic sewage generated during the construction period cannot discharge with the original living facilities and drainage pipe network of the project site, and the domestic sewage treatment method does not conform to the recommendations in the environmental impact assessment	Some construction workers use the existing living facilities and drainage system of nearby residential houses by renting nearby residential houses.	As the project progresses, the construction of living facilities and drainage pipe network will be gradually improved, and construction domestic wastewater will be treated in septic tanks and then discharged to the municipal sewage pipe network.

Main issues	Measures taken	Next steps
document.		

C. Suggestion

27. Based on the on-site investigation, the following suggestions are made:

- 1) Promote the progress of construction permits and carry out environmental monitoring during the construction period as soon as possible.

Appendix A: On-site photos

A-1: Area A of medical care and treatment comprehensive demonstration base



A-2: Area C of medical care and treatment comprehensive demonstration base



A-3: Area A of medical care and treatment comprehensive demonstration base



A-4: Area A of community elderly care complex demonstration base

