



Zhuzhou Brownfield Remediation Project (P147381)

EAST ASIA AND PACIFIC | China | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 11 | ARCHIVED on 26-Dec-2021 | ISR47719 |

Implementing Agencies: People's Republic of China, Zhuzhou PMO

Key Dates

Key Project Dates

Bank Approval Date: 31-Mar-2016

Effectiveness Date: 13-Sep-2016

Planned Mid Term Review Date: 01-May-2020

Actual Mid-Term Review Date: 31-Aug-2020

Original Closing Date: 31-Dec-2021

Revised Closing Date: 30-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to reduce public exposure to contaminated land in the Project Area using risk-based remediation approaches.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Component 1: Remediation of contaminated plots:(Cost \$75.59 M)
Component 2: Associated treatment and disposal works:(Cost \$17.07 M)
Component 3: Capacity building and knowledge management:(Cost \$8.82 M)
Component 4: Project Management, monitoring and evaluation:(Cost \$9.88 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Unsatisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

Continued progress has been achieved over the past six months, with the 15 original works contracts, as well as one of the six additional works contracts, completed and verified. However, delays remain in the other five of the six added works contracts, which will require additional time to be completed. Therefore, following the request from the Ministry of Finance, the closing date is extended to June 30, 2022 to allow for completion of all remaining activities and ensure achievement of the PDO.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Low	Low	Low
Macroeconomic	Moderate	Low	Low
Sector Strategies and Policies	Moderate	Moderate	Moderate
Technical Design of Project or Program	Moderate	Substantial	Substantial
Institutional Capacity for Implementation and Sustainability	Substantial	Substantial	Moderate
Fiduciary	Moderate	Moderate	Moderate
Environment and Social	Substantial	Substantial	Substantial
Stakeholders	Substantial	Substantial	Moderate
Other	--	Moderate	Moderate
Overall	Substantial	Substantial	Moderate

Results

PDO Indicators by Objectives / Outcomes

reduce public exposure to contaminated land in the Project Area using risk-based remediation approach				
▶ Area of contaminated land managed or dumpsites closed under the project (Loan -Financed activities) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	90.00	107.00	122.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	This indicator measures the cumulative size of industrial or municipal dump sites that are closed or contaminated land that is managed as a result of the project. The baseline for this indicator is zero. The June 2021 restructuring split this area to result achieved by loan-financed activities (this indicator) and result achieved by third-party financed activities (next indicator). Currently this indicator is 88% achieved.			
▶ Area of contaminated land managed or dumpsites closed under the project (Third-party Financed activities) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	48.00	48.00	48.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
► People in the Project Area with reduced potential risk of exposure to contaminated land. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4,380.00	6,237.00	6,237.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	The number of people exposed to contaminated land is based on the number of people living in the 7 subareas of the project area.			
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	143,201.00	262,000.00	262,000.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	This is based on social survey results and progress of remediation implementation.			
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.80	50.80	50.00
► Share of people living in the Zhuzhou's Quingshitang core industrial area indicating that sufficient information is available regarding the area's remediation process and grievance redress mechanism (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	80.20	80.20	80.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
► Verified remediation works implemented per risk-based design (Loan-Financed activities) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	110.10	107.00	122.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	First remediation works are being completed and risk-based remediation verification of the completed works will be reported. The June 2021 restructuring split this area to area verified by loan-financed activities (this indicator) and area verified by third-party financed activities (next indicator). Currently this indicator is 88% achieved.			



► Verified remediation works implemented per risk-based design (Third-party Financed activities) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	48.00	48.00	48.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022

Intermediate Results Indicators by Components

Component 1: Remediation of contaminated plots				
► Project sites in the Zhuzhou's Qingshitang core industrial area remediated and meet contamination levels based on their intended future land use (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	7.00	6.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	The target related to six subareas that make up the remediation sites in the Project Area. As of Dec 2021 seven subareas have been remediated.			
► Project activities related to relocation of manufacturing sites and compensation of workers fully comply with national standards (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	31-Aug-2015	01-Dec-2020	24-Dec-2021	30-Jun-2022
Comments:	Already completed compensation and land acquisition are complying with national standards based on latest resettlement monitoring and review.			

Component 2: Associated treatment and disposal works				
► Industrial or municipal solid waste reduced or recycled under the project (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,699.00	2,047,500.00	1,100,000.00
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022
Comments:	The current achievement status is based on a sum of Hehua landfill capacity – 1,250,000 m3 and Xinqiao landfill capacity – 115,000 m3 multiplied by a factor of 1.5 tons/m3 to convert m3 of waste to tons of			



waste. With the extension, can add an annual minimum capacity of the soil treatment center (600,000 m3) based on design document x 1.5 tons/m3.

Component 3: Capacity building and knowledge management

► People trained in contaminated site remediation (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	180.00	200.00	200.00
Date	31-Aug-2015	01-Dec-2020	24-Dec-2021	30-Jun-2022

► Environmental monitoring reports publicly disclosed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	31-Aug-2015	01-Dec-2020	24-Dec-2021	30-Jun-2022

Comments: External monitoring report reflecting the condition of remediation works for January to June of 2021 has been publicly disclosed.

► Updated spatial zoning plan for Qinghuitang Core Area tailored to remediation concepts and brownfield redevelopment requirements (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Spatial zoning plan does not take into account site investigation and risk assessment results	Spatial zoning plan updated taking into consideration risk assessment and cost effectiveness.	Spatial zoning plan updated taking into consideration risk assessment and cost effectiveness	Spatial zoning plan updated taking in consideration risk assessment and cost effectiveness
Date	31-Aug-2015	30-Sep-2020	24-Dec-2021	30-Jun-2022

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P147381	IBRD-85870	Effective	USD	150.00	73.00	77.00	39.96	33.04	55%

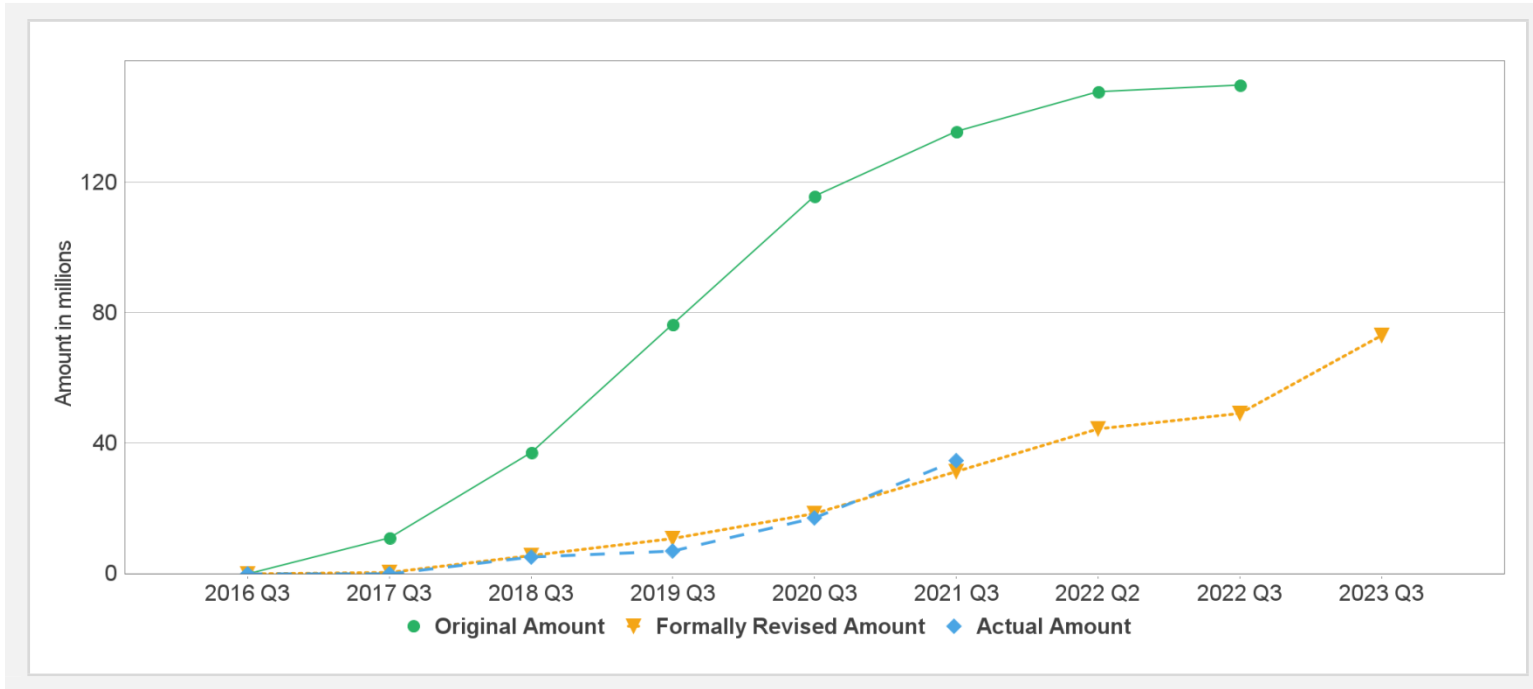
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
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P147381	IBRD-85870	Effective	31-Mar-2016	01-Jun-2016	13-Sep-2016	31-Dec-2021	30-Jun-2022
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Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

Level 2 Approved on 30-Jun-2021 ,Level 2 Approved on 21-Dec-2021

Related Project(s)

There are no related projects.