



China Contaminated Site Management Project (P145533)

EAST ASIA AND PACIFIC | China | Environment, Natural Resources & the Blue Economy Global Practice |
Global Environment Project | Investment Project Financing | FY 2015 | Seq No: 16 | ARCHIVED on 09-Jun-2023 | ISR55925 |

Implementing Agencies: Foreign Environmental Cooperation Center of Ministry of Ecology and Environment, PEOPLE'S REPUBLIC OF CHINA

Key Dates

Key Project Dates

Bank Approval Date: 30-Apr-2015

Effectiveness Date: 18-Sep-2015

Planned Mid Term Review Date: 31-Dec-2018

Actual Mid-Term Review Date: 29-Oct-2018

Original Closing Date: 31-Dec-2021

Revised Closing Date: 30-Nov-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve the country's capacity for managing site contamination, and demonstrate environmentally sound identification and cleanup of sites contaminated with POPs and other hazardous chemicals.

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

No

Components Table

Name

Component 1: Capacity Development for Prevention and Control of Site Contamination:(Cost \$24.04 M)

Component 2: Cleanup Demonstrations of Sites Contaminated with POPs and Other Hazardous Chemicals:(Cost \$24.91 M)

Component 3: Project Management:(Cost \$3.26 M)

Overall Ratings

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

Implementation Status and Key Decisions

Continued progress has been achieved over the past six months. The Liaoning demonstration site has been completed; remediation works at the Chongqing Ganshui site are close to being completed; and clean up at Chongqing Jingkou and Guangdong Qingyuan is underway. In March 2023, the project was extended and the current closing date is 30 November 2023.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

To improve the country's capacity for managing site contamination				
► 1. Selected priority technical guidelines (TG) and policy recommendations (PRs) for prevention and control of site contamination at the national and local levels developed or issued (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Existing TG for site cleanup (control of site contamination) at the national and local levels (see Annex 2)	100% achieved	100% achieved	TG and PRs for prevention and control of site contamination at the national level and in Chongqing and Liaoning developed or issued
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
Comments:	100% achieved, and over-achieved. No change since previous report			
► 2. Training materials published and on-line training courses integrated into MEP staff training system (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No training system for prevention and control of site contamination	100% achieved	100% achieved	Training materials published and on-line training courses integrated into the existing staff training system of MEE
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023



Comments:

100% achieved. Development of all training materials completed and updated based on the Law for Soil Pollution Prevention and Control. Materials were published and distributed. Contract for the development of on-line training courses has been completed and the five sets of material were uploaded. Case studies are also uploaded into the on-line training course system. Any new training materials associated with contaminated site management will be uploaded regularly. FECO, Chongqing and Liaoning have carried out training workshops or issued training materials for a total of 22,867 (400 added in Liaoning) participants for national and local government officials, site cleanup practitioners and staff from polluting industries.

Liaoning: propaganda and training on soil pollution prevention and control policies and regulations organized, training materials such as "Compilation of Important Policy Documents for Soil Ecological Environment Management" and "Compilation of Important Technical Documents for Soil Ecological Environment Management" prepared and distributed to government officials of various cities and districts and counties.

To demonstrate environmentally sound identification and cleanup of contaminated sites

► 3. Contaminated land managed or dump sites closed under the project (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.83	2.83	5.20
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
Comments:	54% achieved. 2.83 Ha corresponding to Chongqing Ganshui and Liaoning North Pharmaceutical Plant. Guangdong Qingyuan site has two parts: 7 plots (5.85 Ha) were financed by its counterpart funding and had been completed by December 2021. FECO has carried out due diligence review of cleanup works and found it satisfactory. However, due to cleanup works for the other 3 plots (0.5 Ha) financed by the GEF grant are still ongoing, therefore the areas of the 7 plots have not been accounted yet, since the indicator measures the total area remediated.			

► 4. National database of POPs contaminated sites established (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No database for contaminated sites	100% achieved	100% achieved	The national database is operational
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	31-Dec-2021
Comments:	100% achieved, no change for this reporting. The database is housed and managed by MEE, and includes a long list of contaminated sites, including those contaminated by POPs. The database includes inventories for Chongqing and Liaoning, and is operational. In the database, there are 2654 sites in Chongqing, of which 405 are contaminated, 2000 are considered not contaminated. 249 sites are under investigation. There are thousands of sites in Liaoning in the database. Reports on various aspects of soil management are uploaded to this database. This system will support decision-making when land use is changed.			

Intermediate Results Indicators by Components

Component 1: Capacity Development for Prevention and Control of Site Contamination

► 5. Number of people trained on prevention and control of site contamination (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22,467, including 6049 (FECO) new people were trained in Sept. 2022.	22,867, including 400 (Liaoning) new people trained in early 2023.	As per annual training plans
Date	31-Dec-2014	18-Nov-2022	30-Apr-2023	30-Nov-2023



Comments:	This indicator is considered 100% met. If any new people are trained throughout the remaining life of the project, the number will be updated further.			
► 6. Public Awareness activities implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	Campaigns continue to be implemented (see comments)	Campaigns continue to be implemented (see comments)	Public awareness campaign successfully implemented
Date	31-Dec-2014	18-Nov-2022	30-Apr-2023	30-Nov-2023
Comments:	<p>Project outcome summaries and knowledge sharing consulting services bidding in progress. Public awareness activities including Animation, comic book, VR and multimedia sand table production were completed.</p> <p>The publicity film "source and harm of soil pollution" and "key industries and enterprises' detailed land survey results show and propagandist" were released in the official account of micro-blog and WeChat public in the provincial eco environment department, and received nearly 4000 hits to achieve good publicity effect.</p> <p>New upate - FECO: (1) Online science popularization activities on World Soil Day were held. (2) The soil science popularization and education base located in Lvxin Park was completed in the Mid-April 2023. Background wall and theme wall were installed. The animation and comic book can be displayed to public. VR and multimedia sand table can be operated by visitors.</p> <p>Liaoning:The production of the demonstration project's 2021 phased promotional film and the daily shooting tasks for 2022 were complted; the post production of two promotional videos, namely "Investigation, Evaluation, Treatment and Restoration of POPs Pollution Sites by Eastern Medicine" and "Review and Summary of Liaoning Demonstration Projects" are completed and acceptance is being organized.</p>			
► 7. Feasibility Study for Knowledge and Remediation Center in Chongqing prepared (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No feasibility study	100% completed.	100% completed.	Feasibility study completed
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
► 8. Regional Soil and Groundwater Contamination Prevention and Warning System at the Changshou Industrial Park established (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No warning system	The work is progressing - see comments for additional information.	100% Completed - Warning system established and functional	Warning system established and functional
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
Comments:	100% acheived. The activity results passed the acceptance in March 2023. An plan for future use and maintence is being prepared.			
Component 2: Cleanup Demonstrations of Sites Contaminated with POPs and Other Hazardous Chemicals				
► 9. POPs&pops waste destroyed, disposed or contained in environmentally sound manner (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	83,201.00	83,201.00	79,000.00
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
Comments:	Over-achieved. A total of 83,201 metric tons including both POPs and non-POPs wastes from Liaoning Shenyang Northeast Pharmaceutical Plant site and Chongqing Ganshui site. Treatment of 341,940 tons of			



waste from the 7 plots of the Guangdong Qingyuan site have been completed, but not accounted yet untill completion of the other 3 plots at the Qingyuan site.				
► 10. Number of people positively affected by site cleanups (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,750.00	2,750.00	8,100.00
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	31-Mar-2023
Comments:	On-the-ground implementation of two out of the four project demonstration sites are ongoing, therefore, no additional people have yet benefited/accounted from the cleanups. The target is expected to be fully met once the two demonstration sites complete their work. The estimated people number of Jingkou site is 17,228 based on its ESIA. This indicator is expected to be met after cleanup of Jingkou site is completed.			
□- Of which female (Text, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,500.00	1,500.00	To be based on site investigation results
Date	01-Jan-2015	18-Nov-2022	30-Apr-2023	30-Nov-2023
► Information platform for contaminated site management and redevelopment at the local level (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No related information platform in Tongzhou District, Beijing	In progress	In progress	Platform established and functional
Date	01-Jan-2015	17-Mar-2023	30-Apr-2023	30-Nov-2023
Comments:	This is a new indicator added through the project restructuring in March 2023. As a pilot, the platform for Beijing Tongzhou District is expected to be an cross-sectoral informational and data-sharing platform for contaminated site management and to facilitate authority decision making on future redevelopment. The platform is at its final stage of development.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

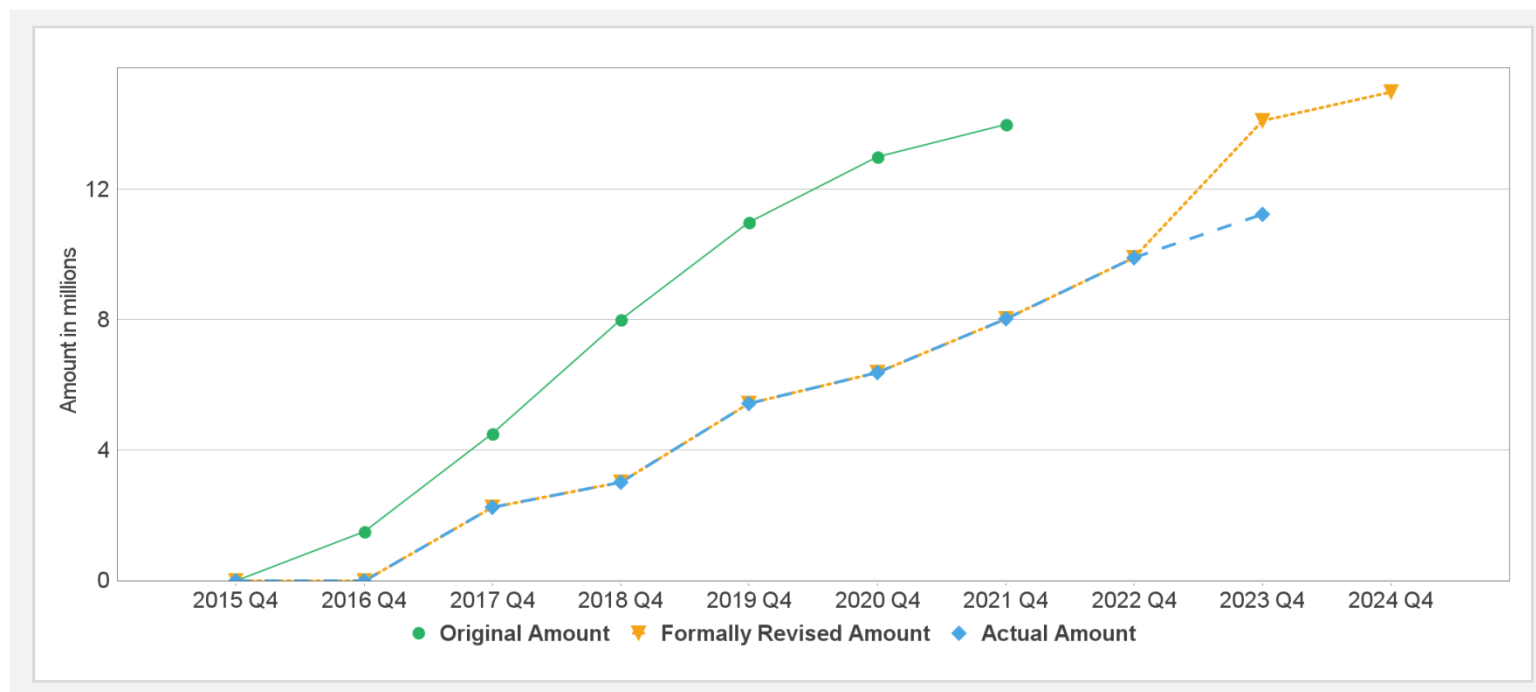
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P145533	TF-A0193	Effective	USD	15.00	15.00	0.00	11.23	3.77	75%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P145533	TF-A0193	Effective	30-Apr-2015	24-Jun-2015	18-Sep-2015	31-Dec-2021	30-Nov-2023



Cumulative Disbursements



Restructuring History

Level 2 Approved on 03-Dec-2021 ,Level 2 Approved on 30-Mar-2023

Related Project(s)

There are no related projects.