



## China Contaminated Site Management Project (P145533)

EAST ASIA AND PACIFIC | China | Environment & Natural Resources Global Practice |  
Global Environment Project | Investment Project Financing | FY 2015 | Seq No: 7 | ARCHIVED on 31-Dec-2018 | ISR35380 |

Implementing Agencies: PEOPLE'S REPUBLIC OF CHINA, Foreign Economic Cooperation Office of Ministry of Environmental Protection

### 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: 31-Dec-2021

### 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

Name

Component 1: Capacity Development for Prevention and Control of Site Contamination:(Cost \$22.14 M)

Component 2: Cleanup Demonstrations of Sites Contaminated with POPs and Other Hazardous Chemicals:(Cost \$49.70 M)

Component 3: Project Management:(Cost \$3.16 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Substantial	● Substantial

### Implementation Status and Key Decisions

Although overall progress is still somewhat behind schedule, the pace of implementation has improved and the rate of both implementation and disbursement is expected to pick up in 2019 and 2020 when most project activities under component 1 are complete and contaminated site clean-ups under component 2 get underway. Two of the six planned demonstration sites have now completed soil excavation (remediation is ongoing), one is under preparation of remediation plan, and one is dropped from the project. Another demonstration site has been provisionally identified, and the sixth is still in identification stage. Liaoning will try to identify another site to replace the dropped site. The project also continues to make progress in (a) developing national technical guidelines that will



complement implementation of China's Soil Action Plan and the newly issued Law on Soil Pollution Prevention and Control for addressing soil pollution issues, (b) completing systematic training materials for government officials and contaminated site cleanup practitioners and site owners, (c) carrying out studies on soil/groundwater pollution prevention, and (d) developing green finance options for contaminated site remediation and pollution prevention.

## Risks

### Systematic Operations Risk-rating Tool

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

## 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)	All policy recommendations and technical guidelines have been initiated with some completed.	Development of all policy recommendations at the national level led by FECO have been completed, development of all the nine (9) technical guidelines at the national level led by FECO have been initiated with some completed.	TG and PRs for prevention and control of site contamination at the national level and in Chongqing and Liaoning developed or issued



			<p>Chongqing has published the technical guideline for screening level and environmental supervision, completed the contaminated site management regulation, and initiated the bidding process for study of public participation and financing mechanism.</p> <p>Liaoning has completed development of Administrative measures for Environmental Remediation of Contaminated Site in Liaoning and the Environmental Risk Screening Levels for Contaminated Sites in Liaoning, which are in the process of issuance. The contract for development of the two technical guidelines was signed in Nov. 2018.</p>	
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
<b>►2. Training materials published and on-line training courses integrated into MEP staff training system (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No training system for prevention and control of site contamination	Development of all training materials led by FECO has been completed and has been used or will be used by the two PMUs. The TOR for on-line training IT system development has been developed and reviewed by the Bank.	<p>About 50% achieved</p> <p>FECO: development of all training materials completed but need to be updated based on the Law for Soil Pollution Prevention and Control, expected to be published in 2019; development of on-line training courses ongoing and expected to be integrated into the MEE staff training system in 2020/2021; and three international workshops organized.</p> <p>FECO, Chongqing and Liaoning have carried out training workshops for about 920 local</p>	Training materials published and on-line training courses integrated into the existing staff training system of MEP



			government officials, site cleanup practitioners and people from polluting industries. Additional 150 people will be trained in Dec. 2018.	
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
<b>To demonstrate environmentally sound identification and cleanup of contaminated sites</b>				
<b>►3. Contaminated land managed or dump sites closed under the project (Hectare(Ha), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.83	2.83	5.20
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2018
Comments:	54% achieved. 2.83 Ha for the first two sites (excavation completed, and ex-situ soil remediation are ongoing). The change in project sites may affect the total area managed, though it is important to note that regardless of whether the area managed falls short or exceeds the target, the most important measure of the contribution of this indicator to achievement of the objectives will be the value of the demonstrations rather than the size of the area remediated.			
<b>►4. National database of POPs contaminated sites established (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No database for contaminated sites	Development of the database is completed and is being used by MEP for storing/recording information of all potential contaminated sites in China.	About 50% achieved. Development of the national database for contaminated sites has been completed and now in use by MEE as a basis for its further development of more comprehensive national IT system for managing contaminated sites.	The national database is operational
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
Comments:	Development of the national database for contaminated sites has been completed and now in use by MEE as a basis for its further development of more comprehensive national IT system for managing contaminated sites. FECO will not carry out national survey of POPs sites by using the GEF grant as agreed in the Nov. 2017 mission, instead it will coordinate with MEE to get all potential POPs sites information with priority ranking based on risks through the MEE's survey of all contaminated sites in the country expected to be completed by end of 2020. This change will not affect its functional/practical purpose, and compromise the Theory of Change and achievement of the PDO.			

### 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	FECO, Chongqing and Liaoning have carried out training workshops for about 540 local government officials, site cleanup practitioners and people from polluting industries.	FECO, Chongqing and Liaoning have carried out training workshops for about 920 local government officials, site cleanup practitioners and people from polluting industries.	As per annual training plans
Date	31-Dec-2014	31-May-2018	30-Nov-2018	31-Dec-2021
Comments:	With the issuance of the Law on Soil Pollution Prevention and Control, training activities will be closely linked to the national and local capacity needs for implementation of the Law. FECO will be requested to prepare a training plan for 2019, 2020 and 2021 by end of April 2019, by then the total number of people trained on prevention and control of site contamination/soil pollution will be better estimated under the project.			
►6. Public Awareness activities implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	Chongqing organized another public event on June 5, 2018. FECO and Liaoning prepared awareness materials: posters and leaflets.	Chongqing organized another public event on June 5, 2018. FECO and Liaoning prepared awareness materials: posters and leaflets.	Public awareness campaign successfully implemented
Date	31-Dec-2014	08-Jun-2018	30-Nov-2018	31-Dec-2021
►7. Feasibility Study for Knowledge and Remediation Center in Chongqing prepared (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No feasibility study	Feasibility study is in the bidding process.	Feasibility study is in the second round of bidding process.	Feasibility study completed
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
Comments:	This activity is delayed because the first round of bidding failed with no bids received. The second round of bidding process is ongoing.			
►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 activity is under the negotiation process for contracting.	Contract for this activity was signed in July 2018 and now is ongoing.	Warning system established and functional
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
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	0.00	0.00	79,000.00
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
Comments:	Excavation for two sites (Chongqing Ganshui site and Shenyang Northeast Pharmaceutical Plant site (Shenyang NP site) have been excavated and stored safely out of the sites as planned. There are about 148 tons of POPs waste (mainly POPs contaminated soil) from the Ganshui site and 42,900 tons of POPs waste (mainly POPs contaminated soil) from the NP site. Remediation of the Ganshui site soil and the Shenyang NP site soil are now ongoing, which are not considered destroyed/disposed/contained yet. Therefore, the actual current value is still considered as zero.			
<b>► 10. Number of people positively affected by site cleanups (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,750.00	2,750.00	8,100.00
Date	01-Jan-2015	31-May-2018	30-Nov-2018	31-Dec-2021
Comments:	2750 are for both Ganshui site (750) and Shenyang NP site (2000).			
<b>↳ Of which female (Text, Custom Breakdown)</b>				
	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	31-May-2018	30-Nov-2018	31-Dec-2021

## Data on Financial Performance

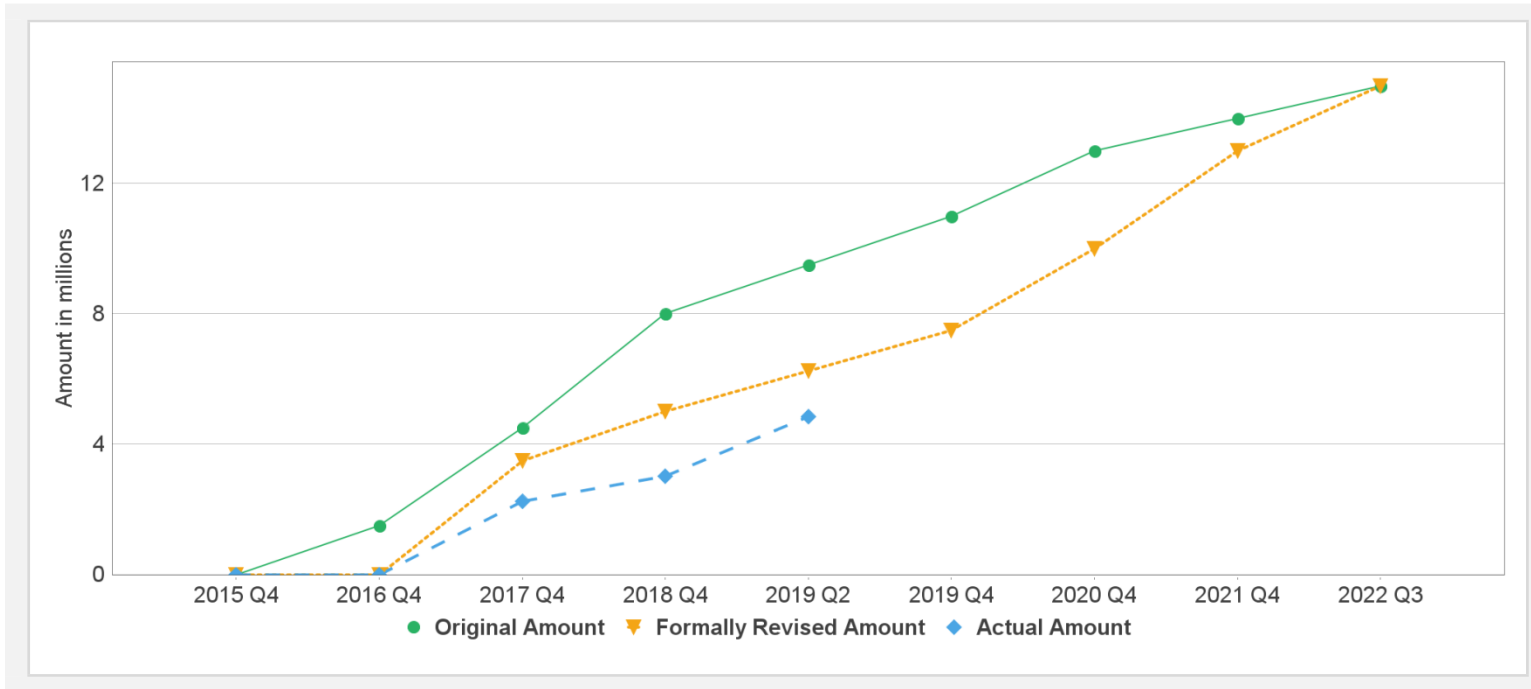
### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P145533	TF-A0193	Effective	USD	15.00	15.00	0.00	4.84	10.16	32%

### 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	31-Dec-2021

### Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.