



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: 6 | ARCHIVED on 25-Jun-2018 | ISR32965 |

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:--

Original Closing Date:31-Dec-2021

Revised Closing Date:31-Dec-2021

Global Development Objectives

Global Environmental 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 Global Environmental 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 the second half of 2018 and early 2019 as some of the project's larger hazardous site clean-ups get underway. Two of the six planned demonstration sites have now completed soil excavation (remediation is ongoing), two are under preparation of remediation plans. Another demonstration site has been provisionally identified, and the sixth is still in identification stage. The project also continues to make progress in (a) developing national technical guidelines that will complement implementation of China's long-term Soil Action Plan for addressing soil pollution issues, (b) completing systematic training materials for government officials and contaminated site cleanup practitioners and site owners, and (c) carrying out studies on soil/groundwater 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

Global Environmental Objective Indicators

- 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.	All policy recommendations and technical guidelines 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



Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021
Comments	<p>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.</p> <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 initiated the process of Liaoning screen level and contaminated site management regulation, and amendment for Shenyang contaminated site management.</p>			

► 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	Training materials on contaminated site investigation, risk assessment, remediation, remediation supervision and acceptance; international and national experience, cleanup process and good cases on contaminated site management for government officials; and pollution prevention, early warning and emergency response at producing industries have been completed. Training material development for environmental and social management plan during remediation is ongoing.	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.	Training materials published and on-line training courses integrated into the existing staff training system of MEP
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021



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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.03	2.83	5.20
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2018

Comments

The contaminated land managed so far includes soil excavation at two sites: Ganshui (0.03 hectares) and Northeast Pharmaceuticals (2.80 hectares). These values only measure contaminated land. For example, the total area subject to remediation at the Northeast Pharmaceuticals site was 11.4 hectares, but only 2.80 hectares was directly contaminated with persistent organic pollutants (POPs). Remediation plans are being developed at another two sites (Shenyang Chemical Plant and Jingkou. Identification and confirmation of two additional sites is still in process. By project completion the total POPs contaminated area managed at the six planned sites is expected to be similar to the original target, though it is worth noting that the total contaminated areas managed under the project are much more than POPs areas and the demonstration value and potential risk addressed is more important than the exact size of the area managed.

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

	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.	Development of the database is completed and is being used by MEP for storing/recording information of all potential contaminated sites in China.	The national database is operational
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021

Comments

As recorded in the Nov. 2017 implementation support mission AM:

National POPs contaminated sites investigation. Since MEP has recently initiated the investigation of soil contamination at enterprises in key industries as per the Soil Ten Provisions and it is expected that by end of 2020 China will have a good understanding of locations of contaminated sites and their environmental risks, FECO proposed not to carry out the national POPs contaminated site investigation under the project to avoid duplicated efforts. FECO will coordinate with the Soil Department of MEP on its sharing POPs contaminated site information for the GEF project, therefore, the project PDO level indicator "National database of POPs contaminated sites established" will be met as planned.

Overall Comments



Intermediate Results Indicators

► 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 380 local government officials, site cleanup practitioners and people from polluting industries.	FECO, Chongqing and Liaoning have carried out training workshops for about 540 local government officials, site cleanup practitioners and people from polluting industries.	As per annual training plans
Date	31-Dec-2014	30-Nov-2017	31-May-2018	31-Dec-2021

Comments
Details will be reported after MTR.

► 6. Public Awareness activities implemented (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	Chongqing organized a public event in Dec. 2016 and June 2017. 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	30-Nov-2017	08-Jun-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 bidding process.	Feasibility study completed
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021



Comments

This activity is delayed because the first round of bidding failed with no bids received. The Chongqing PMU is now revising the TOR.

► 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	This activity is in the bidding process.	The activity is under the negotiation process for contracting.	Warning system established and functional
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021

► 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	30-Nov-2017	31-May-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. Remediation of the Ganshui site soil has been signed and remediation of the Shenyang NP site is in the process. There are about 148 tons of POPs waste from the Ganshui site and 42,900 tons of POPs waste from the NP site.



► 10. Number of people positively affected by site cleanups (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	750.00	2,750.00	8,100.00
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021

Comments

2750 are for both Ganshui site (750) and Shenyang NP site (2000).


▲ - Of which female (Text, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	400.00	1,500.00	To be based on site investigation results
Date	01-Jan-2015	30-Nov-2017	31-May-2018	31-Dec-2021

Overall Comments

Data on Financial Performance

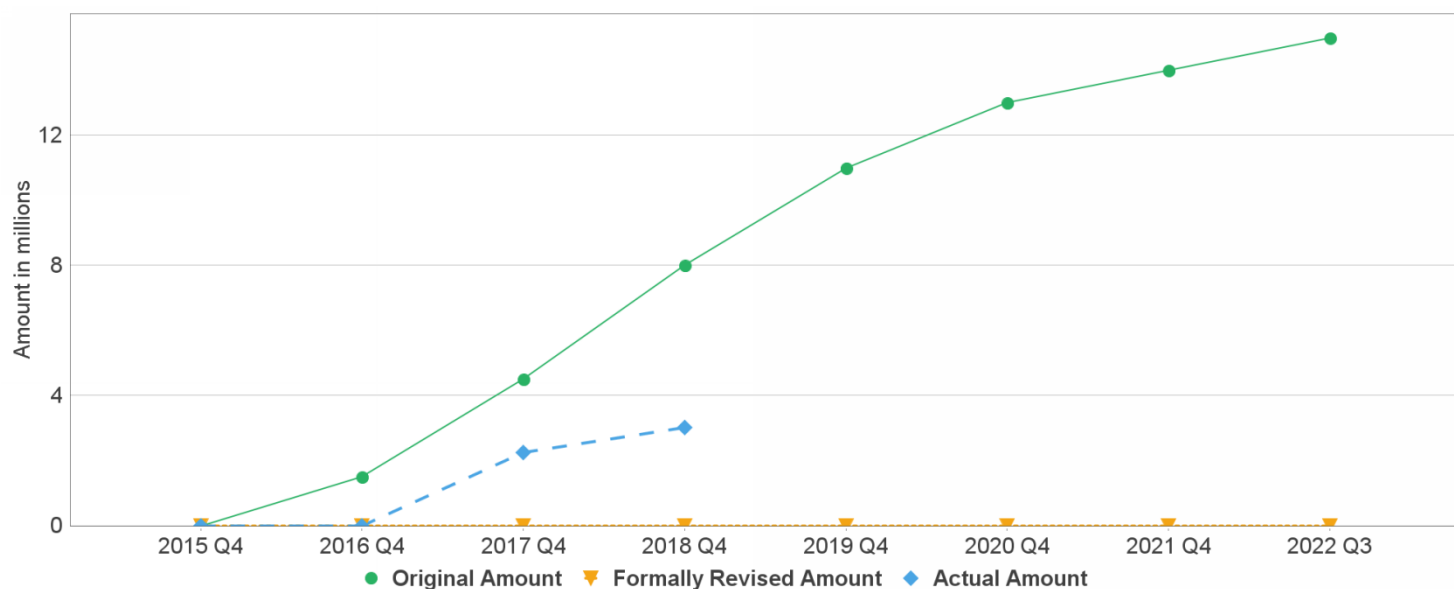
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P145533	TF-A0193	Effective	USD	15.00	15.00	0.00	3.02	11.98	 20%

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.