



## Egypt: Sustainable POPs Management Project (P116230)

MIDDLE EAST AND NORTH AFRICA | Egypt, Arab Republic of | Environment, Natural Resources & the Blue Economy Global Practice | Global Environment Project | Investment Project Financing | FY 2014 | Seq No: 12 | ARCHIVED on 22-Jun-2020 | ISR42496 |

Implementing Agencies: Egypt Environmental Affairs Agency (EEAA), Arab Republic of Egypt

**Key Dates****Key Project Dates**

Bank Approval Date: 13-Jun-2014

Effectiveness Date: 08-Sep-2014

Planned Mid Term Review Date: 18-Oct-2017

Actual Mid-Term Review Date: 21-Jan-2018

Original Closing Date: 30-Nov-2018

Revised Closing Date: 30-Sep-2020

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve the management and disposal of targeted stockpiles of obsolete pesticides, including Persistent Organic Pollutants (POPs) and Polychlorinated Biphenyl (PCBs), in an environmentally sound manner.

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

No

**Components Table**

Name

Component 1: Destruction of High Risk Stocks of Obsolete Pesticide:(Cost \$3.83 M)

Component 2: Decontamination of PCB-Containing Transformer Oils:(Cost \$4.27 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 Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

The project has completed disposal 788 tons Organic Pollutants (OPs) at Al-Saf City and has initiated bid process for co-processing of OPs in cement kilns. The bid process for renting and purchasing units for the decontamination of Polychlorinated biphenyles (PCB) has been initiated. Extension of closing date of the project to enable completion of all project activities is being discussed with the PMU.



**Multiphase Programmatic Approach (MPA) Status****Risks****Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Sector Strategies and Policies	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Technical Design of Project or Program	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> High	<input type="checkbox"/> High
Fiduciary	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Environment and Social	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Other	--	--	--
Overall	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

**Results**



## PDO Indicators by Objectives / Outcomes

To improve the management and disposal of POPs and high-risk obsolete pesticides				
▶ POPs&pops waste destroyed,disposed or contained in environmentally sound manner (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	712.00	712.00	2,000.00
Date	13-Jun-2014	30-Nov-2019	30-Nov-2019	30-Sep-2020
Comments:	<p>The first batch of 237 tons of obsolete pesticides (Lindane, a POP chemical) at Al-Adabeya Port and 4 tons (DDT and Dicofol) at El Saf and Bahteem storage sites were successfully exported by August 2017 by an international firm for destruction in France.</p> <p>The removal of second batch of high-risk obsolete pesticides (471 tons, mainly Ametryn) at the El Saf site was also completed in July 2019 and the final disposal in the designated Sweden and France incineration facilities is ongoing (92% disposed of already). The PMU has also completed a video story recording the process and results which are highly satisfied by surrounding communities. The PMU proposed to dispose of the last batch of about 288 tons of OPs by a cement kiln co-processing technology as appropriate locally available in Egypt due to significantly increased (by 40%) disposal/incineration cost in France and Sweden. The PMU and MALR considered that this effort would also contribute to the country's capacity and sustainability to manage and dispose of OPs in future. The PMU has prepared a feasibility report and the bidding process for demonstration of disposal of 110 tons of OPs by the cement kiln co-processing technology is ongoing.</p> <p>Identification of 1000 tons of PCB oils has been completed as of the Sept. 2019 mission, however, there is a likely risk that not all 1000 tons of PCB oils will be decontaminated as planned by September 2020 due to the feasibility study for decontamination took longer time than expected. The bidding process for purchasing three decontamination equipment will be initiated in Dec. 2019.</p>			
▶ Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	382,926.00	382,926.00	30,000.00
Date	13-Jun-2014	30-Nov-2019	30-Nov-2019	30-Sep-2020
Comments:	<p>This indicator is over achieved already. The end target was under-estimated.</p> <p>The most obsolete POPs pesticides were stored at the Adabeya port, which is located at ATAKA district at Suez Governorate which is an Industrial/Residential area of 8827 km2 with total population of 27,340 inhabitant including 40% women. Therefore, roughly 27,340 people are the project beneficiaries from the removal of those POPs pesticides.</p> <p>The El Saff site is located among a residential area of El-Saff Town – Giza Governorate at about 52 Km to the south of Cairo. El Saff is a highly populated area of about 100 square kilometer where 356,586 inhabitant exist. OPs/POPs storage facility of 1000 m2 area is situated among a large barn store grain of 15,300 m2 owned by the Bank of Credit and Development. The site is surrounded by sensitive habitats of different types and of proximity of the store (from within the same area to 3.8km). These habitats were affected by the stored OPS/POPs for the past decades. The removal of the OPs from the store relieved this population from an extremely high risk forever.</p>			
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	50.00	50.00

## Intermediate Results Indicators by Components



Component 1: Destruction of High Risk Stocks of Obsolete Pesticide				
<b>► Obsolete pesticides including POPs pesticides disposed of in an environmentally sound manner (Metric ton, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	712.00	712.00	1,000.00
Date	13-Jun-2014	30-Nov-2019	30-Nov-2019	30-Sep-2020
Comments:	<p>Disposal of the first batch (241 tons) is completed.</p> <p>Disposal of the second batch of high-risk obsolete pesticides at the El Saf site (about 440 tons - 350 tons was estimated earlier - 44% of the targeted 1000 tons) is ongoing. The contract was signed in July 2018 and removal is ongoing with the last 140 tons to be removed in June 2019.</p> <p>ESIAs for the last batch (320 or more tons, about 32% of the targeted 1000 tons) is being prepared, with the bidding process for disposal expected to be initiated in June or July 2019.</p>			
<b>► Tracking system for management of obsolete pesticides operational (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	13-Jun-2014	31-May-2019	31-May-2019	30-Jun-2020
Comments:	<p>This indicator has been achieved.</p> <p>The tracking system for Obsolete Pesticides (OPs) has been established by the March 2019 mission. Now the MALR has only one place to report OPs. All OPs in the country are reported immediately to the central lab as per the Ministry instructions to all Directorates. The Ministry team that have been trained through on job training by Tauw goes to the reported storage to classify and identify the OPs and put them into the same database format developed by the project. In this way all OPs in the country is really controlled and tracked and they even report to add any new quantities they found. Also, MALR issued a Ministerial Decree of Regulating Agricultural Pesticide in Egypt in Feb. 2018 . This decree regulates and controls the OPs with clear procedures.</p>			
<b>► Obsolete pesticides at El-Staff removed and disposed of (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	13-Jun-2014	30-Nov-2019	30-Nov-2019	30-Sep-2020
Comments:	<p>The removal of second batch of high-risk obsolete pesticides (471 tons, mainly Ametryn) at the El Saf site was also completed in July 2019 and the final disposal in the designated Sweden and France incineration facilities is ongoing with 92% completed as reported by the contractor to the PMU. The PMU has also completed a video story recording the process and results which are highly satisfied by surrounding communities.</p>			
<b>► Obsolete pesticides at Al-Adabeya removed and disposed of (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	13-Jun-2014	30-Nov-2019	30-Nov-2019	30-Sep-2020
Comments:	<p>This indicator has been achieved.</p> <p>POPs has been removed from the Al-Adabeya site under the first batch of disposal. There are also 15.92 tons of high-risk OP (non-POPs) at Al-Adabeya port, which will be removed/disposed of in the third batch -</p>			



the PMU recently clarified that this 15.92 tons of high-risk OP is in Adabeya, but is located at a different place from the Al-Adabeya site. Therefore, this indicator is considered being met already.

#### Component 2: Decontamination of PCB-Containing Transformer Oils

##### ► PCB contaminated oils decontaminated (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,000.00
Date	13-Jun-2014	31-May-2019	31-May-2019	30-Sep-2020

Comments: Decontamination of PCB oils has not been started. The Feasibility Study for decontamination options has been completed and the bidding process for purchasing the decontamination units has been initiated. Identification of 1000 tons of PCB oils has been completed as of the Sept. 2019 mission too. However, there is a likely risk that not all 1000 tons of PCB oils will be decontaminated as planned by September 2020, due to the feasibility study for decontamination took longer time than expected. The Sept. 2019 mission discussed options for speeding up decontamination of identified PCB oils and agreed that the PMU may consider, if the project budget allows, purchasing three decontamination units. The mission urged that MOEE should start to establish a qualified technical team, who will be trained by the equipment supplier as well and be ready for operating this equipment following the Environmental and Social Management Plan.

##### ► Tracking system for management of PCBs operational (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	13-Jun-2014	31-May-2019	31-May-2019	31-May-2018

Comments: This indicator has been achieved. A bar code system has been used for labeling identified PCB transformers at five selected storage/screening lab sites, while the mission noted that improvements are needed at some sites. A project implementation unit has been established since January 2018 and a complete tracking system (see the mission AM Annex 3) on PCB transformers has been established in MOEE since March 2019. MOEE issued on June 23, 2018, a ban on sale of out-of-service transformers and oils without PCB testing, which would greatly help to reduce environmental and health risks of PCBs to the public.

### Performance-Based Conditions

#### Data on Financial Performance

##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P116230	TF-17336	Effective	USD	8.10	8.10	0.00	4.94	3.16	61%

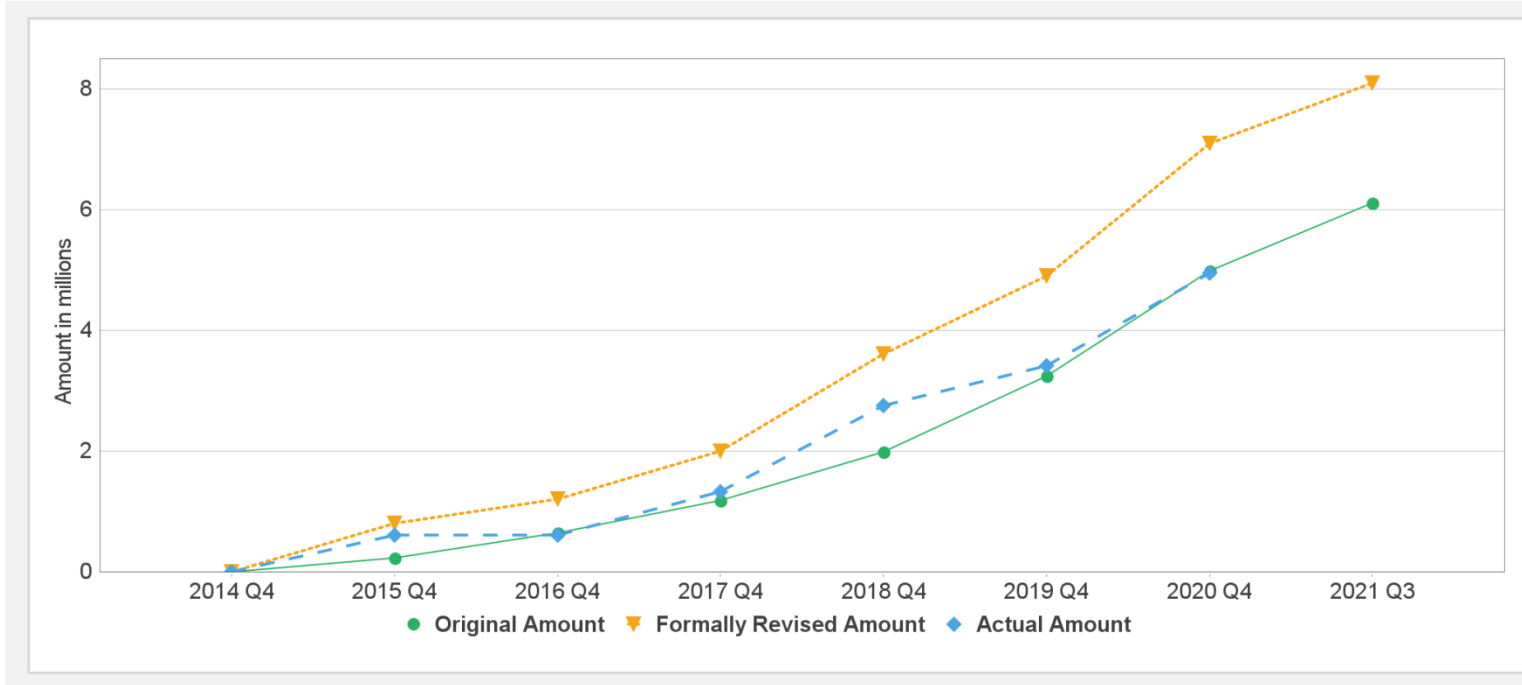
##### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
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P116230	TF-17336	Effective	26-Aug-2014	26-Aug-2014	08-Sep-2014	30-Nov-2018	30-Sep-2020
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### Cumulative Disbursements



### Restructuring History

Level 2 Approved on 14-Aug-2018

### Related Project(s)

P172373-Egypt: Sustainable POPs Management Project