



Zambia - Mining and Environmental Remediation and Improvement Project (P154683)

EASTERN AND SOUTHERN AFRICA | Zambia | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 14 | ARCHIVED on 12-Jan-2024 | ISR58965 |

Implementing Agencies: Ministry of Finance, Republic of Zambia, Ministry of Mines and Mineral Development

Key Dates**Key Project Dates**

Bank Approval Date: 16-Dec-2016

Effectiveness Date: 30-Nov-2017

Planned Mid Term Review Date: --

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2022

Revised Closing Date: 28-Jun-2024

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To reduce environmental health risks to the local population in critically polluted mining areas in Chingola, Kabwe, Kitwe and Mufulira municipalities, including lead exposure in Kabwe municipality

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

No

Components Table

| Name |
|---|
| Remediation of Contaminated Hotspots and Improvement of Environmental Infrastructure:(Cost \$27.05 M) |
| Enhancing Institutional capacity to strengthen environmental governance and compliance:(Cost \$11.50 M) |
| Reducing environmental health risks through localized interventions:(Cost \$18.50 M) |
| Project Management, Monitoring and Evaluation:(Cost \$6.00 M) |

Overall Ratings

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

Implementation Status and Key Decisions

The project is entering its last 7 months of implementation and critical infrastructure works have commenced; (i) the concrete relining of the Kabwe Canal; (ii) Tailings Dam 10 rehabilitation in Mufulira; (iii) the construction and equipping of the ZEMA laboratory in Ndola and; (iv) the insitu remediation activities in Kasanda Township, Kabwe. The healthcare rollout in Kabwe is scheduled for late January 2024. The mission concluded that the rating for Implementation Progress and Progress towards achievement of PDO should be maintained at Moderately Satisfactory (MS) on the caveats that (i) the ZEMA laboratory and insitu remediation activity timelines are compressed and are complete by 03 June 2024; (ii) the health strategy is rolled out late January 2024 and targeted community members are conducting screening, analysis and treatment of blood lead levels; (iii) the Kabwe Canal relining and TD 10 rehabilitation remains on track for a 03 June 24 completion and; (iv) the monitoring evaluation and communication plans are effectively rolled out in the next quarter.



Risks

Systematic Operations Risk-rating Tool

| Risk Category | Rating at Approval | Previous Rating | Current Rating |
|--|--------------------|-----------------|----------------|
| Political and Governance | ☐ Moderate | ☐ Moderate | ☐ Moderate |
| Macroeconomic | ☐ High | ☐ High | ☐ High |
| Sector Strategies and Policies | ☐ Substantial | ☐ 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 reduce environmental health risks to the local population in critically polluted mining areas | | | | |
| ▶ Direct project beneficiaries (number), of which female (%) (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 400.00 | 5,134.00 | 13,000.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 13-Dec-2023 | 28-Jun-2024 |
| Comments: | Targeted outreach programs; consultations and training workshops and Beneficiary surveys need to commence in the first quarter 24. | | | |
| ▶ Share of population in the project areas that are aware of project investments and benefits -☐☐ (disaggregated by vulnerable people and gender) (Percentage) (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 40.00 | 40.00 | 70.00 |



| | | | | |
|---|---|-------------------|------------------|-------------|
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |
| Comments: | Targeted outreach programs; consultations; media outreach need to commence to collect the data for this indicator. | | | |
| ▶ People in Kabwe reported to have more than 50% reduction in Blood Lead levels (BLL) (disaggregated by age below 15) (Number (Number, Custom)) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 1,000.00 | 1,000.00 | 4,000.00 |
| Date | 16-Jan-2017 | 30-Nov-2020 | 30-Nov-2020 | 28-Jun-2024 |
| Comments: | The health activities are due to roll out in January 2024. | | | |
| ▶ Share of population living within 500 m from lead contamination hotspots in project area (Percentage) (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 100.00 | 95.00 | 95.00 | 30.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |
| Comments: | The civil works are underway and activities such as the relining of the Kabwe Canal, insitu remediation etc will contribute towards this population % indicator. However, hotspots of lead contaminated are omni directional in Kabwe and there is no one border to determine a share of the population living within 500m. | | | |

Intermediate Results Indicators by Components

| | | | | |
|---|-------------|-------------------|------------------|-------------|
| Reducing environmental health risks through localized interventions | | | | |
| ▶ School children in Kabwe targeted for awareness on prevention of exposure to Lead contamination (Number) (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 800.00 | 30,000.00 | 30,000.00 |
| Date | 16-Jan-2017 | 30-Nov-2020 | 13-Dec-2023 | 28-Jun-2024 |
| ▶ Beneficiaries of livelihoods sub-projects (of which women)(Number) (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 556.00 | 3,409.00 | 3,000.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 13-Dec-2023 | 28-Jun-2024 |
| ▶ People with high Blood Lead Levels treated under the project (Number) (Number, Custom) | | | | |



| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|--|-------------------|------------------|-------------|
| Value | 0.00 | 1,574.00 | 1,574.00 | 7,000.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |
| Comments: | The rollout of the health activities is due to commence late Jan 24. | | | |
| ► Share of solid waste collected and safely disposed of in Kabwe (Percentage) (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 0.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 31-Mar-2022 |
| Comments: | This activity was descoped from the project. | | | |

| Enhancing Institutional capacity to strengthen environmental governance and compliance | | | | |
|--|---|-------------------|------------------|-------------|
| ► Coverage of project by ZEMA monitoring of water, soil and air quality of project area (%) (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 80.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |
| Comments: | This indicator will include ZEMA monitoring within the project areas. The use of the air quality vans based in Ndola and the completion of the ZEMA laboratory will supplement the achievement of this indicator. | | | |
| ► Share of mines in project area covered by annual safety inspection by honorary inspectors (Percentage) (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 0.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |
| Comments: | The Mines and Minerals Development Act No. 11 of 2015 will be repealed to establish the Minerals Regulation Commission which will make the requirement for Honorary Inspectors obsolete. | | | |
| ► Share of mineral rights holders (excluding artisanal mineral rights holders) complying with the Environmental Protection Fund. (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 20.00 | 0.00 | 0.00 | 30.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 07-Jun-2022 | 28-Jun-2024 |

Remediation of Contaminated Hotspots and Improvement of Environmental Infrastructure



| ▶ Contaminated land managed or dump sites closed under the project (Hectare(Ha), Custom) | | | | |
|--|--|-------------------|------------------|-------------|
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 2.00 | 10.00 | 10.00 |
| Date | 16-Jan-2017 | 07-Jun-2022 | 13-Dec-2023 | 28-Jun-2024 |
| Comments: | This indicator will cover the Kabwe Canal relining, insitu remediation of households in Kasanda Township and the school greening activities. The Kabwe PIU needs to ensure a technical inspection and document its findings on the completion of the civil works. Industrial or municipal dump sites can no longer be measured using this indicator because those activities were descoped from the project. | | | |

Performance-Based Conditions

Data on Financial Performance

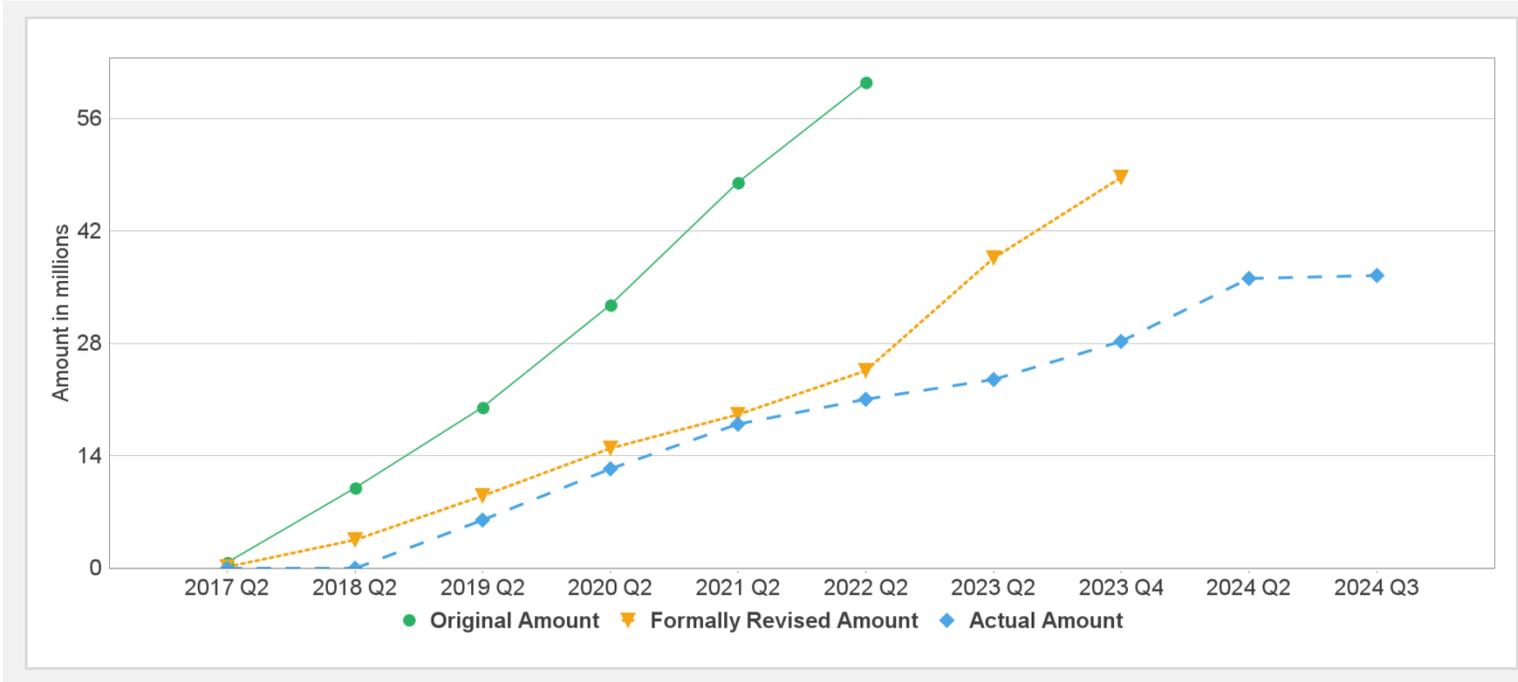
Disbursements (by loan)

| Project | Loan/Credit/TF | Status | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P154683 | IDA-59370 | Effective | USD | 65.60 | 55.21 | 10.39 | 36.49 | 17.77 | 67% |

Key Dates (by loan)

| Project | Loan/Credit/TF | Status | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---------|----------------|-----------|---------------|--------------|--------------------|--------------------|-------------------|
| P154683 | IDA-59370 | Effective | 16-Dec-2016 | 29-May-2017 | 30-Nov-2017 | 30-Jun-2022 | 28-Jun-2024 |

Cumulative Disbursements



Restructuring History

Level 2 Approved on 12-Apr-2018 ,Level 2 Approved on 27-Jun-2022

Related Project(s)

There are no related projects.