Implementation Status & Results
Belarus
Integrated Solid Waste Management Project (P114515)

Operation Name: Integrated Solid Waste Management Project (P114515)
Project Stage: Implementation
Seq.No: 7
Status: ARCHIVED
Archive Date: 30-Jul-2013

Country: Belarus
Approval FY: 2010
Product Line: IBRD/IDA
Region: EUROPE AND CENTRAL ASIA
Lending Instrument: Specific Investment Loan

Implementing Agency(ies):

Key Dates
Board Approval Date: 17-Jun-2010
Original Closing Date: 30-Dec-2016
Planned Mid Term Review Date: 16-Sep-2013
Last Archived ISR Date: 01-Jan-2013

Effectiveness Date: 06-Oct-2010
Revised Closing Date: 30-Dec-2016
Actual Mid Term Review Date:

Project Development Objectives

Integrated Solid Waste Management Project (P114515)
Project Development Objective (from Project Appraisal Document)

(i) Improve environmental benefits of integrated solid waste management in Grodno through recovery and reuse of recyclable materials in line with good international standards; (ii) Strengthen national capacity to manage hazardous wastes associated with POPs.

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

☐ Yes ☐ No

Belarus POPs Stockpile Management Project (GEF) (P111110)
Global Environmental Objective (from Project Appraisal Document)

Reduce environmental and health risks associated with the presence and release of POPs in global and local environments.

Has the Global Environmental Objective been changed since Board Approval of the Program?

☐ Yes ☐ No

Component(s)

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Component Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Materials Recovery Facility</td>
<td>37.00</td>
</tr>
<tr>
<td>Waste Separation Management Improvements</td>
<td>4.00</td>
</tr>
<tr>
<td>Persistent Organic Pollutants (POPs) stockpile Management (GEF)</td>
<td>26.10</td>
</tr>
<tr>
<td>Project Management</td>
<td>2.65</td>
</tr>
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</table>

Overall Ratings

<table>
<thead>
<tr>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
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<tr>
<td></td>
<td></td>
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</table>

Report No: ISR11369
Implementation Status Overview

Overall implementation progress is 'Unsatisfactory (U)'. Close to three years after project effectiveness, the main supply and installation contract for the Materials Recovery Facility (MRF) financed under Project Component I has not yet been awarded. Given the majority of loan proceeds are allocated to this component, the current disbursement ratio of the loan is critically low. Only USD0.5 million has been disbursed to date, equivalent to 1.2 percent of the total loan amount. Although disbursements are expected to pick-up following contract award of the supply and installation contract, delays in the bidding process are of significant concern and will require highest attention of all stakeholders to facilitate the upcoming procurement. In light of the accumulated delays in implementation progress, progress rating towards achieving the Project Development Objective (PDO) is downgraded to 'Moderately Unsatisfactory (MU)'.

Implementation progress of GEF-funded Component III of the project, Persistent Organic Pollutants (POPs) Stockpile Management, continues to be satisfactory. The POPs Stockpile Management activities are almost complete, and Component III is generally well prepared for the closure in September 2013. It is projected to complete the environmentally sound disposal of 2,933 t of POPs stockpiles and wastes which exceeds by over 60% the original project objective of eliminating 1,800 tons of POPs stockpiles and waste.

Locations

<table>
<thead>
<tr>
<th>Country</th>
<th>First Administrative Division</th>
<th>Location</th>
<th>Planned</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Vishedki</td>
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</tr>
<tr>
<td>Belarus</td>
<td>Not Entered</td>
<td>Vitsyebskaya Voblasts</td>
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<td>Vyerkhnyadzvisnks</td>
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<td>Mahilyowskaya Voblasts</td>
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<td>Minskaya Voblasts</td>
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<td>Hrodzyenskaya Voblasts</td>
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<td>Homylskaya Voblasts</td>
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### Results

#### Project Development Objective Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valuable material sold by the new facility to users (tons)</td>
<td></td>
<td>Tones/year</td>
<td>0.00</td>
<td>0.00</td>
<td>10000.00</td>
</tr>
<tr>
<td>Comments</td>
<td>The indicator has been revised in this ISR to correct the unit of measurement to 'tons'. The initial ISR had erroneously recorded 'percentage' as the unit of measurement.</td>
<td>Waste sorting facility construction not started yet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tons of waste that will not be buried in the landfill due to the new facility</td>
<td></td>
<td>Tones/year</td>
<td>0.00</td>
<td>0.00</td>
<td>20000.00</td>
</tr>
<tr>
<td>Comments</td>
<td>The indicator has been revised in this ISR to correct the unit of measurement to 'tons'. The initial ISR had erroneously recorded 'percentage' as the unit of measurement.</td>
<td>Waste sorting facility construction not started yet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial or municipal solid waste reduced or recycled under the project</td>
<td></td>
<td>Tones/year</td>
<td>0.00</td>
<td>0.00</td>
<td>20000.00</td>
</tr>
<tr>
<td>Date</td>
<td>18-Dec-2012</td>
<td>28-Jun-2013</td>
<td>30-Jun-2015</td>
<td></td>
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<tr>
<td>Comments</td>
<td>This core indicator has been added in ISR#6.</td>
<td>Waste sorting facility construction not started yet</td>
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#### Global Environmental Objective Indicators
<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
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</thead>
<tbody>
<tr>
<td>Compliance with Stockholm Convention</td>
<td>Text</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Date</td>
<td>16-Nov-2009</td>
<td>08-Jul-2013</td>
<td>30-Jun-2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>Belarus reports to Stockholm convention</td>
<td>Submission of National Implementation Plan update (taking into account new substances) will be initiated by MNREP in 2014</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduced exposure of population to POPs Waste</td>
<td>Number</td>
<td></td>
<td>97000.00</td>
<td>98360.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Date</td>
<td>16-Nov-2009</td>
<td>13-Jun-2013</td>
<td>31-Dec-2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>People living in proximity of POPs pesticides</td>
<td>Eliminated exposure of 98.3 thousand people to POPs pesticides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End target was revised for clarity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduced exposure of population to PCB Waste</td>
<td>Number</td>
<td></td>
<td>4800.00</td>
<td>11360.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Date</td>
<td>16-Nov-2011</td>
<td>13-Jun-2013</td>
<td>31-Dec-2013</td>
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</tr>
<tr>
<td>Comments</td>
<td>People in proximity to PCB waste</td>
<td>Eliminated exposure of about 11,360 people to PCB waste. The actual value remains the same as PCB phase-out activities were completed in 2012.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End target was revised for clarity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POPs&amp;waste destroyed,disposed or contained in environmentally sound manner</td>
<td>Metric ton</td>
<td></td>
<td>0.00</td>
<td>2926.00</td>
<td>1000.00</td>
</tr>
<tr>
<td>Date</td>
<td>18-Dec-2012</td>
<td>13-Jun-2013</td>
<td>31-Dec-2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>This core indicator has been added in ISR#6. Values will be filled in following the next implementation support mission.</td>
<td>Total of 2,103 tons of POPs pesticides recovered and packaged with 1, 471 tons already destroyed. 823 tons of PCB/PCB equipment destroyed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Due to the substantially larger quantity of POPs pesticide waste from Slonim than originally projected, the end target will be exceeded</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator Name</td>
<td>Core</td>
<td>Unit of Measure</td>
<td>Baseline</td>
<td>Current</td>
<td>End Target</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------</td>
<td>------</td>
<td>-----------------</td>
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<td>------------</td>
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<tr>
<td>% of recycling effort coverage of the city of Grodno</td>
<td></td>
<td>Percentage</td>
<td>40.00</td>
<td>40.00</td>
<td>100.00</td>
</tr>
<tr>
<td>Comments</td>
<td>of Grodno master plan for recycling</td>
<td>A waste separation and collection improvement program was designed with support from the design and supervision consultant. The final improvement plan was adopted by the Grodno Executive Committee and roll-out will start in parallel with construction of the MRF.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Tons of separated waste collected</td>
<td></td>
<td>Percentage</td>
<td>0.00</td>
<td>0.00</td>
<td>14000.00</td>
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<tr>
<td>Comments</td>
<td>Information will be available once waste will be delivered at sorting facility</td>
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<td></td>
<td></td>
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<tr>
<td>Percent of population aware of Grodno’s solid waste separation program</td>
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<td>Percentage</td>
<td>37.00</td>
<td>37.00</td>
<td>80.00</td>
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<tr>
<td>Comments</td>
<td>according to survey</td>
<td>Public communication and outreach will be implemented under the separate collection improvement program adopted by the Grodno Executive Committee.</td>
<td></td>
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<tr>
<td>Percent of population participating in Grodno’s source separation program</td>
<td></td>
<td>Percentage</td>
<td>16.00</td>
<td>16.00</td>
<td>80.00</td>
</tr>
<tr>
<td>Comments</td>
<td>According to survey</td>
<td>Increase expected following implementation of separate collection improvement program</td>
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</tr>
<tr>
<td>Percent of waste recycled by weight</td>
<td></td>
<td>Percentage</td>
<td>5.00</td>
<td>5.00</td>
<td>30.00</td>
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<tr>
<td>Comments</td>
<td>According to feasibility study</td>
<td>Waste sorting facility construction not started yet</td>
<td></td>
<td></td>
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<tr>
<td>Operating Ratio of MWSTF</td>
<td></td>
<td>Percentage</td>
<td>0.00</td>
<td>0.00</td>
<td>1.00</td>
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<tr>
<td>Date</td>
<td>16-Nov-2009</td>
<td>28-Jun-2013</td>
<td></td>
<td></td>
<td>01-Dec-2014</td>
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<tr>
<td>Plan</td>
<td>Category</td>
<td>Value</td>
<td>Date</td>
<td>Comments</td>
<td></td>
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<tr>
<td>-------------------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>---------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Mechanical waste separation facility</td>
<td>Text</td>
<td>No</td>
<td>No</td>
<td>Not available till start of operation Waste sorting facility construction not started yet greater than 1.</td>
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</tr>
<tr>
<td>Date</td>
<td></td>
<td>16-Nov-2009</td>
<td>28-Jun-2013</td>
<td>31-Dec-2013</td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td>Waste sorting facility construction not started yet</td>
<td></td>
</tr>
<tr>
<td>Amounts of POPs pesticides recovered, packaged in storage or destroyed</td>
<td>Text</td>
<td>0.00</td>
<td>2103.00</td>
<td>Total of 1000 tons removed</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>16-Nov-2009</td>
<td>13-Jun-2013</td>
<td>31-Dec-2012</td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td>892 tons in Slonim landfill and 43 tons in Lida storehouse</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Due to the substantially larger quantity of POPs pesticide waste from Slonim than originally projected, the end target will be exceeded</td>
<td></td>
</tr>
<tr>
<td>Amounts of Priority PCBs destroyed</td>
<td>Number</td>
<td>0.00</td>
<td>823.00</td>
<td>816.00</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>17-Nov-2009</td>
<td>13-Jun-2013</td>
<td>31-Dec-2013</td>
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<tr>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td>No disposal undertaken before the project 823 tons of PCB waste destroyed. PCB phase-out activities completed in 2012.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>tons of PCB waste destroyed</td>
<td></td>
</tr>
<tr>
<td>Plans and inventories established, laboratories upgraded</td>
<td>Text</td>
<td>No long-term plan for PCB phase out. Baseline inventory of PCB equipment</td>
<td>Long-term PCB phase-out plan under development. Plans and inventories established and laboratories upgraded</td>
<td></td>
<td></td>
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<tr>
<td>Date</td>
<td></td>
<td>16-Nov-2009</td>
<td>13-Jun-2013</td>
<td>31-Dec-2014</td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td>The national POPs inventory consolidated in a unified POPs database (updated as of December 31, 2012). 14 PCB contaminated sites assessed and 3 cleaned up.</td>
<td></td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>The MNREP adopted the BAT guidelines for the reduction of unintended POPs releases. Three Belarus enterprises – potential sources of unintended POPs releases invested in technology update to reduce the POPs emissions.</td>
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</tr>
<tr>
<td>New and amended regulatory documents</td>
<td>Text</td>
<td>Gaps in national legislation for control of POPs. Lack of consistency and coordination for POPs related information</td>
<td>MNREP have developed: i) a regulation on Maintenance Procedures of the Uniform Database on Persistent</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>New and amended POPs regulatory documents adopted</td>
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</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>16-Nov-2009</th>
<th>13-Jun-2013</th>
<th>31-Dec-2014</th>
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</table>

### Data on Financial Performance (as of 27-Jun-2013)

#### Financial Agreement(s) Key Dates

<table>
<thead>
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<th>Project</th>
<th>Ln/Cr/Tf</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Original Closing Date</th>
<th>Revised Closing Date</th>
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<td>P114515</td>
<td>IBRD-79320</td>
<td>Effective</td>
<td>17-Jun-2010</td>
<td>05-Jul-2010</td>
<td>06-Oct-2010</td>
<td>30-Dec-2016</td>
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<td>P111110</td>
<td>TF-96993</td>
<td>Effective</td>
<td>05-Jul-2010</td>
<td>05-Jul-2010</td>
<td>06-Oct-2010</td>
<td>30-Sep-2013</td>
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#### Disbursements (in Millions)

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<th>Project</th>
<th>Ln/Cr/Tf</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>% Disbursed</th>
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<tbody>
<tr>
<td>P114515</td>
<td>IBRD-79320</td>
<td>Effective</td>
<td>USD</td>
<td>42.51</td>
<td>42.51</td>
<td>0.00</td>
<td>1.50</td>
<td>41.00</td>
<td>4.00</td>
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<tr>
<td>P111110</td>
<td>TF-96993</td>
<td>Effective</td>
<td>USD</td>
<td>42.51</td>
<td>5.50</td>
<td>0.00</td>
<td>5.03</td>
<td>0.47</td>
<td>91.00</td>
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</table>

### Disbursement Graph
Key Decisions Regarding Implementation

n/a

Restructuring History

There has been no restructuring to date.

Related Projects

P111110-Belarus POPs Stockpile Management Project (GEF)