Implementation Status & Results
Argentina
National Urban Solid Waste Management Project (P089926)

Operation Name: National Urban Solid Waste Management Project (P089926)  Project Stage: Implementation  Seq.No: 16  Status: ARCHIVED  Archive Date: 10-Feb-2013
Country: Argentina  Approval FY: 2006
Product Line: IBRD/IDA  Region: LATIN AMERICA AND CARIBBEAN  Lending Instrument: Sector Investment and Maintenance Loan
Implementing Agency(ies):

Key Dates
Board Approval Date  28-Feb-2006  Original Closing Date  30-Jun-2012  Planned Mid Term Review Date  29-Aug-2011  Last Archived ISR Date  09-Jul-2012
Effectiveness Date  01-Feb-2007  Revised Closing Date  30-Dec-2013  Actual Mid Term Review Date  12-Sep-2011

Project Development Objectives
Project Development Objective (from Project Appraisal Document)
The development objective of this project is to improve public health and quality of life by developing environmentally and financially sustainable systems for urban solid waste management in Argentina.
Has the Project Development Objective been changed since Board Approval of the Project?
☐ Yes  ☐ No

Component(s)
Component Name  Component Cost
Policy and Institutional Strengthening  4.90
Works and equipment related to SWM (Sanitary landfills, transfer and separation stations, closure of open dump sites, and installation of containers)  31.50
Social Inclusion  1.50

Overall Ratings
Progress towards achievement of PDO  Previous Rating: Satisfactory  Current Rating: Satisfactory
Overall Implementation Progress (IP)  Previous Rating: Satisfactory  Current Rating: Satisfactory
Overall Risk Rating  Previous Rating: Substantial  Current Rating: Substantial

Implementation Status Overview
Progress has been noticeable in project execution with disbursements accelerating in the past months. The sanitary landfill and the separation and transfer plant in Mar del Plata were inaugurated by the President of Argentina on May and August 2012 respectively, and are operating at the moment. The sanitary landfill in Chubut was also inaugurated by the President of Argentina on December 18th and will start operating in January 2013 (works are more than 90% completed). The bidding process for the construction and operation of the sanitary landfill in Mendoza is underway. Disbursements currently reach about 60% of the loan proceeds while commitments reach about 100% of the loan proceeds reflecting a
positive evolution in project implementation.

Ongoing activities include:

- Finalizing works for the Landfill and Transfer and Separation Plant works in Chubut;
- Finalizing the bidding process for the construction and operation process of the sanitary landfill in Mendoza;
- Continue with the operation of the Landfill and Transfer and Separation Plant works in Mar del Plata;
- Development and implementation of Social Inclusion Plans in Mar del Plata, Chubut, Mendoza, Rosario and Córdoba;
- Capacity building to provinces and municipalities on the economic sustainability of solid waste management;
- Development and implementation of provincial and municipal SWM plans.

### 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>
<td>Argentina</td>
<td>Buenos Aires</td>
<td>Mar del Plata</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Argentina</td>
<td>Buenos Aires F.D.</td>
<td>Buenos Aires F.D.</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Yerba Buena</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Tupungato</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Tunuyán</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Chubut</td>
<td>Trelew</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Tafí Viejo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Santa Rosa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Provincia de Santa Cruz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>San Miguel de Tucumán</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>San Martín</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>San Carlos</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Santa Fe</td>
<td>Rosario</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Rivadavia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Río Gallegos</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Rawson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Puerto Madryn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Monteros</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country</td>
<td>First Administrative Division</td>
<td>Location</td>
<td>Planned</td>
<td>Actual</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------</td>
<td>-----------------------</td>
<td>---------</td>
<td>--------</td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Provincia de Mendoza</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Mendoza</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Departamento de Lavalle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Departamento de Las Heras</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>La Paz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Junín</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Departamento de Guaymallén</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Departamento de Godoy Cruz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>CÃ³rdoba</td>
<td>CÃ³rdoba</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Comodoro Rivadavia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Provincia del Chubut</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Banda del Río Salí</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>Not Entered</td>
<td>Alderetes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of waste pickers no longer working in controlled dumps</td>
<td></td>
<td>Text</td>
<td>Value</td>
<td>300</td>
<td>To be determined</td>
<td>01-Mar-2006</td>
<td>So far social inclusion has only taken place in Mar del Plata (where the SIP is being implemented). In MdP 120 waste pickers are working in the Separation Plant and the rest are being incorporated to different activities included in the SIP. The remaining pickers (about 180) are in the process of being reintegrated in alternative activities led by the municipality. The SIP in Rosario is starting to be implemented and the SIP in Chubut is ready to be implemented as soon as the Separation Plants start operating.</td>
</tr>
<tr>
<td>Percentage of risk reduction of ground water pollution</td>
<td></td>
<td>Text</td>
<td>Value</td>
<td>0</td>
<td>31-Dec-2013</td>
<td>01-Mar-2006</td>
<td>This indicator has been modified since in some cases its no relevant and there is no baseline data to measure against. This indicator has been modified since in some cases its no relevant and there is no baseline data to measure against.</td>
</tr>
<tr>
<td>Percentage of risk reduction of exploitations at waste disposal sites</td>
<td></td>
<td>Text</td>
<td>Value</td>
<td>To be determined</td>
<td>NA</td>
<td>01-Mar-2006</td>
<td>This indicator is no longer relevant since the project is only financing the closing of the dumpsite in Mendoza (yet to start). In addition, there is no baseline on this explosions. This indicator will be canceled as is no longer relevant.</td>
</tr>
<tr>
<td>Reduced landfill gas emissions</td>
<td></td>
<td>Text</td>
<td>Value</td>
<td>To be determined</td>
<td>NA</td>
<td>01-Mar-2006</td>
<td></td>
</tr>
</tbody>
</table>
This indicator will be eliminated since the collection of GhG emissions will only take place once project closes.

### Intermediate Results 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>Preparation of Provinical and/or Municipal SWM Plans in at least 6 provinces/municipalities</td>
<td></td>
<td>Text</td>
<td>Value 0</td>
<td>13 municipal and provincial plans completed</td>
<td>6</td>
</tr>
<tr>
<td>Date</td>
<td>01-Mar-2006</td>
<td>02-Jan-2013</td>
<td></td>
<td>Currently there are 13 Provincial/municipal plans completed surpassing this indicator. Out of them, 8 new SWM municipal / provincial plans developed and 5 SWM plans updated.</td>
<td>31-Dec-2013</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td></td>
<td>Target surpassed.</td>
<td></td>
</tr>
</tbody>
</table>

| Number of technical and financial management municipal staff receiving training: at least 2 per participating municipality |      | Text            | Value 0  | 290 public officers from 84 Municipalities and 7 Provinces | 10         |
| Date                                                                         | 01-Mar-2006 | 02-Jan-2013    |          | In addition to the above referenced number of trained staff, other municipalities and Provinces have requested additional Training and TA. | 31-Dec-2013 |
| Comments                                                                     |      |                |          | Target surpassed.                                      |            |

<p>| Implementation in at least 10 municipalities of effective tariff systems (expected minimum payment coverage of 50%) |      | Text            | Value 0  | 4          | 10         |
| Date                                                                         | 01-Mar-2006 | 02-Jan-2013    |          | There have been no further modifications of the tariff systems as a result of the project’s implementation, although at least 30 municipalities are implementing the financial matrix delivered by the TA workshops. It has been agreed that this indicator will be modified to reflect the real impact of the actions of the project. | 31-Dec-2013 |
| Comments                                                                     |      |                |          |                                                          |            |</p>
<table>
<thead>
<tr>
<th>Indicator</th>
<th>Text/Value</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enactment of provincial SWM regulatory frameworks in at least 3 provinces</td>
<td>Text</td>
<td>01-Mar-2006</td>
<td>This indicator will be canceled since the project has very limited potential to influence the SEM regulatory framework.</td>
</tr>
<tr>
<td>Implementation of public communication programs in at least 6 provinces</td>
<td>Text</td>
<td>01-Mar-2006</td>
<td>A Public Communication Plan is being implemented in General Pueyrredón, but overall the project is lagging on this indicator. It has been agreed with the PCU that this indicator will be modified to reflect the real impact of the actions of the project.</td>
</tr>
<tr>
<td>Average number of months from call for proposal to signing contracts.</td>
<td>Text</td>
<td>01-Mar-2006</td>
<td>This indicator will be eliminated.</td>
</tr>
<tr>
<td>Number of subsidiary agreements signed</td>
<td>Text</td>
<td>01-Mar-2006</td>
<td>It was agreed during the MTR to review this indicator to reflect 5 signed subsidiary agreements.</td>
</tr>
<tr>
<td>Number of constructed landfills: at least 6</td>
<td>Text</td>
<td>01-Mar-2006</td>
<td>So far the Sanitary Landfill in Mar del Plata and in Chubut are finalized. In addition, the and Transfer station in Mar del Plata; 2 Separation and Transfer Plants in Chubut; the Composting Plant in Rosario are either completed or under advanced construction.</td>
</tr>
<tr>
<td></td>
<td>Date</td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>02-Jan-2013</td>
<td>30-Dec-2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Comments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02-Jan-2013</td>
<td>30-Dec-2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Comments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02-Jan-2013</td>
<td>31-Dec-2013</td>
<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>Status</td>
<td>Date</td>
<td>Comments</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Percentage of recycled material</td>
<td>Text</td>
<td>Value</td>
<td>To be determined</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td>01-Mar-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Tons of solid waste disposed to new facilities</td>
<td>Text</td>
<td>Value</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td>01-Mar-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Volume of greenhouse gas emissions reduced</td>
<td>Text</td>
<td>Value</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td>01-Mar-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Number of closed or rehabilitated open dumps: at least 3</td>
<td>Text</td>
<td>Value</td>
<td>Date</td>
</tr>
<tr>
<td>-------------------------------------------------------</td>
<td>------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>01-Mar-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>71</td>
<td>02-Jan-2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>31-Dec-2013</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of informal groups of wastepickers reinserted in formal activities</th>
<th>Text</th>
<th>Value</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>To be determined</td>
<td>01-Mar-2006</td>
<td>There was no baseline done for this indicator and no specific target.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>about 300</td>
<td>02-Jan-2013</td>
<td>So far social inclusion is only taken place in Mar del Plata where 120 waste pickers are working in the Separation Plant and the rest are being incorporated to different activities included in the SIP. The SIP in Rosario is starting to be implemented and the SIP in Chubut is ready to be implemented as soon as the Separation Plants start operating.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TBD</td>
<td>31-Dec-2013</td>
<td>This indicator will be modified to reflect a end target of about 360 pickers undergoing social inclusion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Income generated by the separating micro-enterprises or cooperatives</th>
<th>Text</th>
<th>Value</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>To be determined</td>
<td>01-Mar-2006</td>
<td>SIPS are being implemented in Mar del Plata and Rosario, are ready to be implemented in Chubut and Cordoba, and being developed for Mendoza. Although the PCU is following up the operation of the Separation Plant in Mar del Plata and the implementation of the SIPS, it was agreed that this indicator will be modified to reflect the number of entrepreneurship developed as a result of the Project’s implementation.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NA</td>
<td>23-Sep-2011</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To be determined</td>
<td>30-Jun-2010</td>
<td>Although the PCU is following up the operation of the Separation Plant in Mar del Plata and the implementation of the SIPS, it was agreed that this indicator will be modified to reflect the number of entrepreneurship developed as a result of the Project’s implementation.</td>
</tr>
</tbody>
</table>

Data on Financial Performance (as of 22-Jan-2013)

Financial Agreement(s) Key Dates
### Key Decisions Regarding Implementation

GoA will submit a request to the Bank to extend the closing date of the project in order to allow the finalization of the pending works for the construction of the sanitary landfill in Mendoza.

### Restructuring History

There has been no restructuring to date.

### Related Projects

There are no related projects.