



## Matanza-Riachuelo Basin (MRB) Sustainable Development Adaptable Lending Program (P105680)

LATIN AMERICA AND CARIBBEAN | Argentina | Environment & Natural Resources Global Practice |  
IBRD/IDA | Adaptable Program Loan | FY 2009 | Seq No: 12 | ARCHIVED on 30-Dec-2015 | ISR22330 |

Implementing Agencies:

### Key Dates

#### Key Project Dates

Bank Approval Date:09-Jun-2009

Effectiveness Date:20-Jul-2010

Planned Mid Term Review Date:04-Feb-2013

Actual Mid-Term Review Date:06-May-2013

Original Closing Date:31-Mar-2016

Revised Closing Date:31-Mar-2016

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The overall development objective of the proposed APL program supports the Government's Integrated Basin Cleanup while simultaneously improving sanitary conditions along the banks of La Plata River and providing a long-term and cost-effective solution for safe disposal of wastewater from the Buenos Aires Metropolitan Area (AySAs concession area). The two stage APL program that contributes to this objective and the allocation of works and activities under each APL has been specifically designed to ensure that APL-1 can be free-standing, with no stranded assets at the end of the first stage. The project (APL-1) development objectives contribute to the overall program development objective by (i) improving sewerage services in the M-R River Basin and other parts of the Province and City of Buenos Aires by expanding transport and treatment capacity; (ii) supporting a reduction of industrial discharges to the M-R River, through the provision of industrial conversion grants to small and medium enterprises; (iii) promoting improved decision-making for environmentally-sustainable land use and drainage planning, and piloting urban drainage and land use investments, in the M-R River Basin; and (iv) strengthening ACUMAR's institutional framework for ongoing and sustainable clean-up of the M-R River Basin.

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

No

### Components

Name

Sanitation:(Cost \$694.00 M)

Industrial Pollution Abatement:(Cost \$60.30 M)

Environmental Territorial Management:(Cost \$65.50 M)

Institutional Strengthening and Project Management:(Cost \$18.20 M)

### Overall Ratings



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

## Implementation Status and Key Decisions

### Project continues to make steady progress:

The Sanitation component (Component 1) finances large and technically extremely complex sewerage infrastructure investments, including, in particular:

1. Lot 1: a 16 km underground sewerage collector and 18 km of secondary collectors on the left bank of the MR River ( 40 month contract duration).
2. Lot 3: a 12 km underground subaquatic outfall to adequately dispose of the sewerage in the La Plata River ( 60 months contract duration).
3. Sludge Treatment Plant.
4. Two Aeration Stations known as SEPA 4 and SEPA 7.

Since the signature of the aforementioned major infrastructure contracts in 2014, most of the major project's activities are under implementation and are progressing according to their contractual schedules. To date, contracts execution rate is 1.5 % for Lot 1; 3.5% for Lot 3 and 5% for the Sludge Treatment Plant. In September 2015, contractors of Lot 1 and Lot 3 presented proposals to improve the infrastructure design of the infrastructures. While the Bank found the proposals broadly acceptable, it also requested to revise the redesign of Lot 3 in order to provide the same level of safety as the original design. It is expected that the technical modifications may have some impact on contract duration and costs. Complementary information for the modification of Lot 1 and Lot 3 is being finalized.

Components 2 and 3 are now also on track, with more than US\$100 million in works ready for bidding or at an evaluation stage. Priority activities under components 2 and 3 include (i) the construction of an Industrial Treatment Plant in the Lanus Municipality that will enable treatment of 78 percent of tannery effluent in the basin; ii) improving the water and sanitation services for about 50,000 people living in low income settlements in the Province and City of Buenos Aires; and (iii) improving flood control system in the upper part of the basin.

Progress of activities under component 4 is satisfactory. The capacity of ACUMAR and municipalities have been substantially strengthened to properly oversee the proposed investments, carry out and follow through strategic planning initiatives, improve their water quality monitoring abilities and develop adequate communication strategies

## Risks

### Systematic Operations Risk-rating Tool



Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	--	● Moderate
Macroeconomic	--	--	● Moderate
Sector Strategies and Policies	--	--	● Low
Technical Design of Project or Program	--	--	● Substantial
Institutional Capacity for Implementation and Sustainability	--	--	● Substantial
Fiduciary	--	--	● Substantial
Environment and Social	--	--	● Moderate
Stakeholders	--	--	● Moderate
Other	--	--	--
Overall	--	--	● Substantial

## Results

### Project Development Objective Indicators

- ▶ Percentage of all sewage (about 12m<sup>3</sup>/s) that is currently discharged from AySA concession area to the La Plata River without adequate treatment that is appropriately treated and disposed of by end of (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	0.00	0.00	35.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

- ▶ Percentage of regular monitoring for at least the 50 most polluting enterprises to track progress in reducing industrial pollution (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1800.00	1800.00	100.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

- ▶ Percentage of the enterprises in the matching grants program that have effectively reduced their discharge loads according to their PRIs by the end of APL-1. (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	50.00



Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016
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► Both plans (Integrated Territorial Development Plan for the M-R River Basin and updated Drainage Master Plan) are agreed with key stakeholders and implementation arrangements are piloted (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

► ACUMAR has fully staffed against its new organigram, operates with its own operating budget and is fully able to fulfill the functions vested in it by law. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	YES	YES	On Schedule
Date	--	17-Jun-2015	17-Jun-2015	31-Mar-2016

## Overall Comments

### Intermediate Results Indicators

► Linear kilometers of the Left Bank collector (including Baja Costanera bypass collector) completed (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	18.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016



▶ Linear kilometers of Right Bank collector completed (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	37.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

▶ Linear kilometers of the Riachuelo outfall completed (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	12.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

▶ Percentage of the Riachuelo preliminary treatment plant construction completed (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	01-Dec-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

▶ ACUMAR conducts field audits, including sampling/lab tests of the 50 most polluting enterprises of the basin. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1351.00	1351.00	50.00
Date	27-Apr-2009	19-May-2014	19-May-2014	31-Mar-2016



► Satisfactory preparation of integrated regional and local land-use plans taking into account the river basin protection perspective (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

► Satisfactory update of the Drainage Master Plan (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	TORs finalized, bidding process ongoing.	TORs finalized, bidding process ongoing.	Drainage Master Plan updated
Date	--	17-Jun-2015	17-Jun-2015	31-Mar-2016

► Percentage of funds disbursed for activities to indicate satisfactory implementation of pilot integrated urban interventions, taking into account the river basin protection perspective (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

► Percentage of funds disbursed for activities to indicate satisfactory implementation of pilot drainage interventions (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016




## ▶ Percentage of staffing completed on basis of staffing plan developed by ACUMAR (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	70.00	70.00	100.00
Date	27-Apr-2009	17-Jun-2015	17-Jun-2015	31-Mar-2016

## Overall Comments

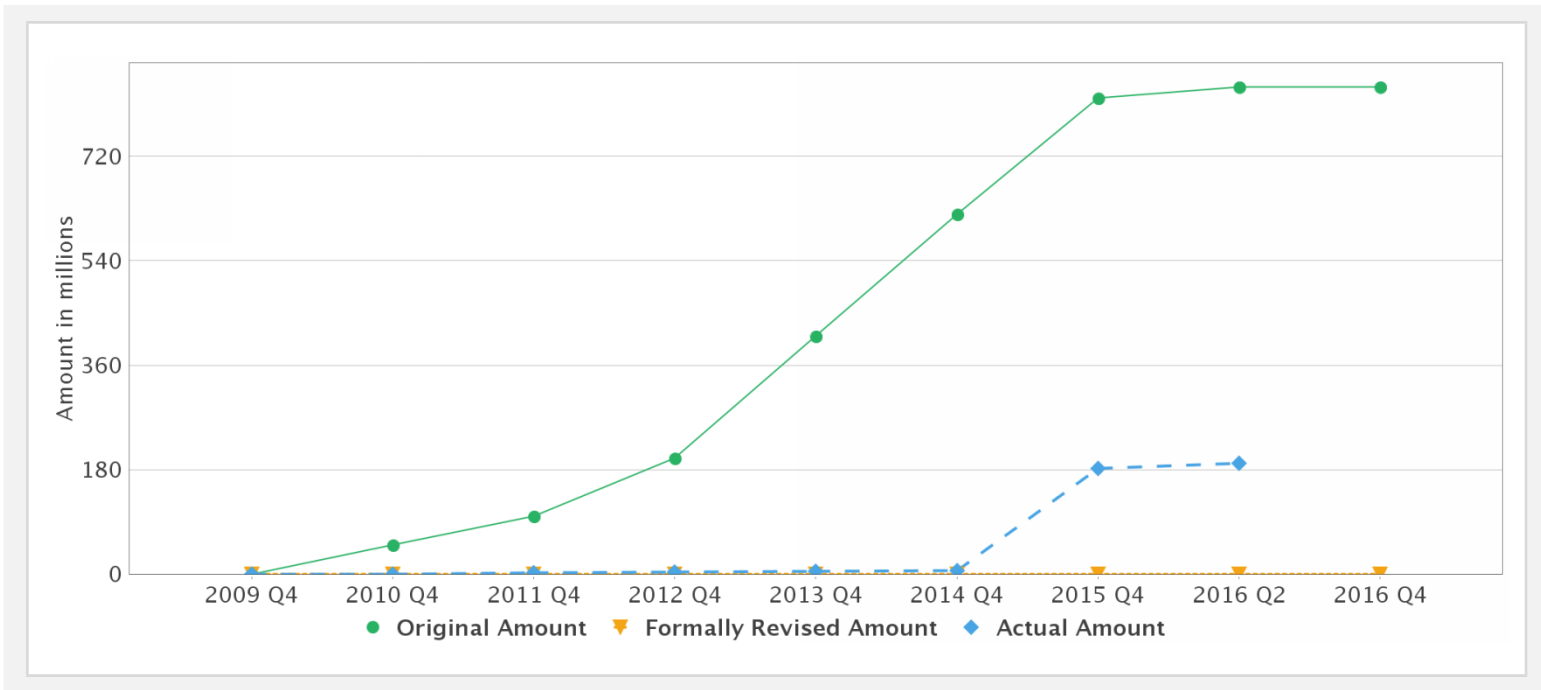
**Data on Financial Performance****Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P105680	IBRD-77060	Effective	USD	840.00	718.03	121.97	193.02	525.01	 27%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P105680	IBRD-77060	Effective	09-Jun-2009	25-Aug-2009	20-Jul-2010	31-Mar-2016	31-Mar-2016

**Cumulative Disbursements**



### Restructuring History

There has been no restructuring to date.

### Related Project(s)

There are no related projects.