



## CO Rio Bogota Environmental Recuperation and Flood Control Project (P111479)

LATIN AMERICA AND CARIBBEAN | Colombia | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 22 | ARCHIVED on 21-Dec-2021 | ISR48419 |

Implementing Agencies: Corporación Autónoma Regional de Cundinamarca (CAR), Corporación Autónoma Regional de Cundinamarca (CAR)

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

Bank Approval Date: 14-Dec-2010

Effectiveness Date: 21-Sep-2011

Planned Mid Term Review Date: 07-Dec-2015

Actual Mid-Term Review Date: 12-Jan-2016

Original Closing Date: 30-Jun-2016

Revised Closing Date: 30-Sep-2022

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The objective of the Project is to assist the Borrower to transform the Rio Bogotá river into an environmental asset for the Bogotá Distrito Capital metropolitan region by improving water quality, reducing flood risks, and creating multi-functional areas along the river.

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

No

**Components Table**

Name

Component 1: Upgrading and Expansion of the Salitre WWTP:(Cost \$409.37 M)

Component 2: Flood Control and Rio Bogota Environmental Restoration Works:(Cost \$115.86 M)

Component 3: Environmental and Water Studies:(Cost \$3.54 M)

Component 4: Project Management and Administration:(Cost \$2.33 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"/> Moderate	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

During the last supervision mission between September 21-23 and 27, 2021, CAR has notified the Bank that there has been a delay by the contractor in the delivery of milestone 1, with the following pending items: failure to stabilize biological reactor, secondary clarification treatment processes not operating in a satisfactory manner, communication problems with SCADA, failure to meet guarantee test with maximum monthly flows as per contract procedures, failure to handover blueprints and equipment tests, and proper documentation. Following a request from CAR and EAAB, the Bank processed a 12-months project extension to monitor the final stages in the commissioning of the WWTP and the appropriate implementation of the Master Plan on Biosolid Management, which include alternative solutions presented by CAR and EAAB for the management and disposal of biosolids. The Bank would need to continuously monitor possible complaints from NGOs and/or other stakeholders for the shortcomings on E&S risk management resulting from the failure to safely dispose biosolids or from the Salitre WWTP not complying with the wastewater quality regulation standards, as stated in the PDO. Currently, the disposal of [FMJ1] biosolids is being done in a confined site under the



supervision of Bogota's water utility (EAAB) and the National Authority for Environmental Licenses (ANLA); and the WWTP standards form part of contractual arrangements, which EAAB is closely monitoring. The Bank has been working with the client to define a Safeguards Action Plan (yet to be agreed with the Borrower), which will include estimated dates for the completion of any pending safeguards actions and/or commitments towards the new project closing date. Furthermore, the team continues to facilitate dialogue with UPZ72 organizations to ensure CAR's compliance with the Inspection Panel's recommendations. The operative assistance transfer to Bogota's Water Utility is still pending due to the delays abovementioned. Since July 2018, the Project's website includes a specific section that allows for public follow up on the Borrower's compliance with the implementation of the Inspection Panel's recommendations: <https://ptarsalitre.com.co/category/inspeccion-banco-mundial/>

**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"/> Low	<input type="checkbox"/> Low
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	--	--
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial

**Results**

**PDO Indicators by Objectives / Outcomes**

Assist the Borrower to transform the Rio Bogotá into an environmental asset for the Bogotá City				
▶ Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,188,236.00	1,188,236.00	3,938,383.00
Date	14-Dec-2010	18-Jun-2021	28-Sep-2021	30-Sep-2021
□ Female beneficiaries (Percentage, Custom Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	52.00	52.00	52.20
<b>► The Salitre WWTP meets effluent discharge limits for BOD, TSS and total coliform (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Project Implementation Unit reports 92% physical advance and 80% financial progress in the construction of the Salitre Wastewater Treatment Plant.	No	Yes
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	30-Sep-2021
Comments:	Project Implementation Unit reports 95% physical advance and 85.09% financial progress in the construction of the Salitre Wastewater Treatment Plant.			
<b>► Rio Bogota flood control protection standard achieved under the Project (return period in years). (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	100.00	100.00	100.00
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	30-Sep-2021
<b>► Number of hectares reserved as multifunctional areas along the Rio Bogota recuperated under the Project. (Hectare(Ha), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	203.00	165.00	165.00
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	30-Sep-2021
<b>□ Number of multifunctional areas along the Rio Bogota recuperated under the Project. (Number, Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00

**Intermediate Results Indicators by Components**

<b>Component 1: Upgrading and Expansion of the Salitre WWTP</b>				
<b>► Design flow of the EI Salitre WWTP (m3/s) (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4 m3/s	Contract under implementation. Project Implementation	7 m3/s	7 m3/s



	Unit reports 92% physical advance and 80% financial progress in the construction of the Salitre Wastewater Treatment Plant.			
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	12-Sep-2022
Comments:	Contract under implementation. Project Implementation Unit reports 95% physical advance and 85.09% financial progress in the construction of the Salitre Wastewater Treatment Plant.			
<b>► Grievances registered related to the El Salitre WWTP expansion that are addressed (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	99.99	95.00
Date	30-Jul-2012	18-Jun-2021	27-Sep-2021	12-Sep-2022
Comments:	A total of 5545 grievances related to the El Salitre WWTP upgrading and expansion contract, were received through the GRM, mostly related to requests for information about of the Project. As of September 27, 2021, 99.9% of all requests have been addressed and closed. There is 1 pending case related to noise control.			

<b>Component 2: Flood Control and Rio Bogota Environmental Restoration Works</b>				
<b>► People under reduced risk of flooding as a result of the Project (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,188,236.00	1,188,236.00	125,387.00
Date	14-Dec-2010	18-Jun-2021	28-Sep-2021	12-Sep-2022
<b>► Length of flood control works constructed under the Project for the Bogota metropolitan area. (Kilometers, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	68.50	69.00	68.00
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	12-Sep-2022

<b>Component 3: Environmental and Water Studies</b>				
<b>► Integrated water resources management master plan for the Rio Bogota basin developed. (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No plan	Plan Developed	Plan Developed	Plan developed
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	12-Sep-2022



Comments:	The Integrated River Basin Management Plan was completed including the hydrological modeling platform developed under the plan , which is currently used as a decision-making tool by the Rio Bogotá River Basin Committee.			
▶ Study for the Design of Multifunctional Areas and the Operation and Maintenance Plan for the flood control works under component 2 completed. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No study	Study and Plan completed.	Study and Plan completed.	Study and Plan completed.
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	30-Sep-2021
Comments:	The Study of Design, Operation and Maintenance of Multifunctional Areas is being finished by EGIS – HIDROCONS is already secured with public sources and agreements.			
▶ Biosolids Master Plan for Bogota Distrito Capital developed. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No plan	Alternative for the Biosolid Management Plan defined.	Alternative for the Biosolid Management Plan defined.	Plan developed
Date	27-Jan-2011	18-Jun-2021	28-Sep-2021	30-Sep-2021
Comments:	CAR and EAAB identified alternatives for the Biosolid Management Plan, which includes a short-term solution for the disposal and treatment of biosolids by the contractor and a long-term solution to be implemented by EAAB.			

**Performance-Based Conditions**

**Data on Financial Performance**

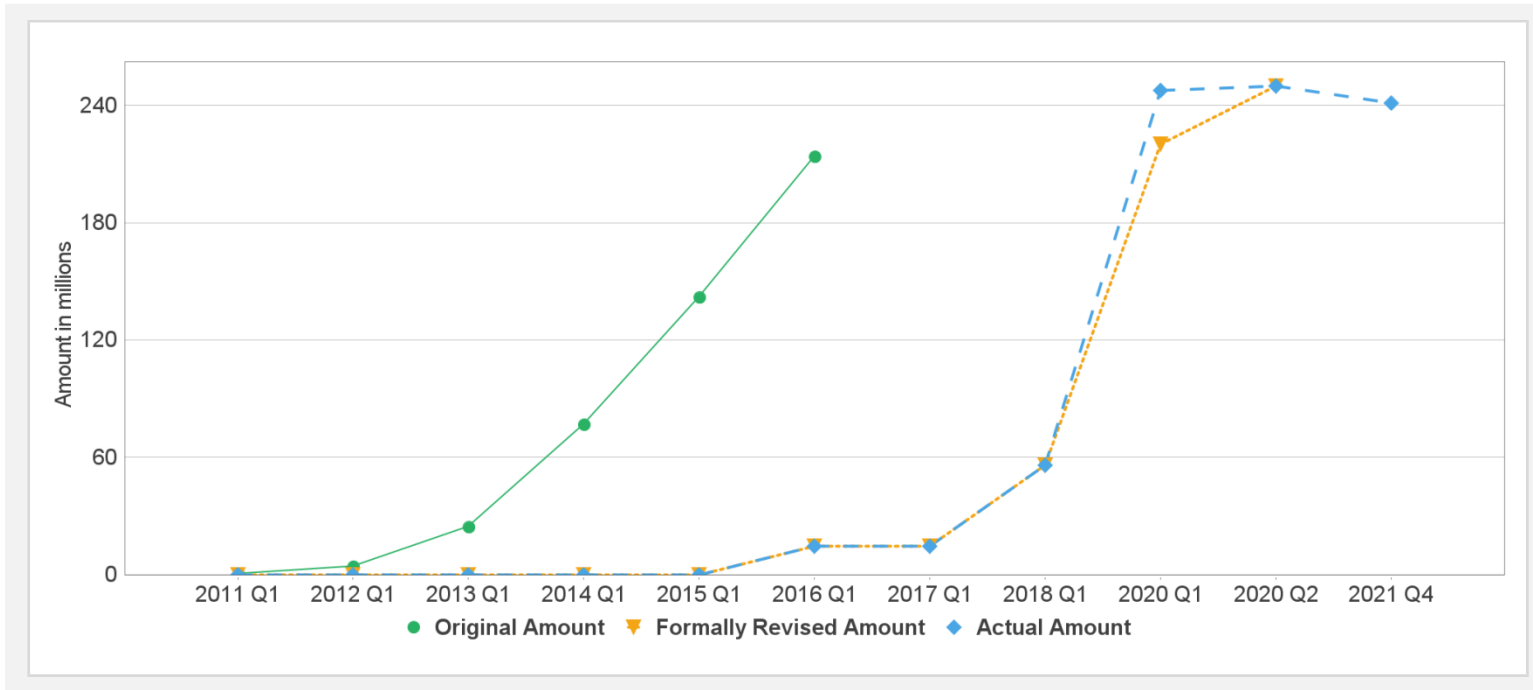
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P111479	IBRD-79850	Effective	USD	250.00	241.03	8.97	241.03	0.00	100%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P111479	IBRD-79850	Effective	14-Dec-2010	15-Jul-2011	21-Sep-2011	30-Jun-2016	30-Sep-2022

**Cumulative Disbursements**



### PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC

### Restructuring History

Level 2 Approved on 29-Jun-2016 ,Level 2 Approved on 21-Dec-2017 ,Level 2 Approved on 19-Dec-2018 ,Level 2 Approved on 08-Jul-2019 ,Level 2 Approved on 30-Sep-2021

### Related Project(s)

There are no related projects.