



## EC Guayaquil Wastewater Management Project (P151439)

LATIN AMERICA AND CARIBBEAN | Ecuador | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 2 | ARCHIVED on 29-Mar-2016 | ISR22982 |

Implementing Agencies: EMAPAG-EP

### Key Dates

#### Key Project Dates

Bank Approval Date:22-Apr-2015

Effectiveness Date:15-Sep-2015

Planned Mid Term Review Date:18-Sep-2017

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2019

Revised Closing Date:31-Dec-2019

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to increase access to improved sanitation services and to reduce wastewater pollution in selected areas of the City of Guayaquil.

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

No

### Components

Name

Component 1: Installation of Household Connections:(Cost \$18.00 M)

Component 2: Rehabilitation of Sewerage Network:(Cost \$37.00 M)

Component 3: Wastewater Treatment and Disposal Facilities:(Cost \$161.00 M)

Component 4: Project management and Administration, including Communication Plan and Management of Social, Environmental and Safety Issues:(Cost \$5.40 M)

### Overall Ratings

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



## Implementation Status and Key Decisions

The Project begun implementation in September 2015. The PIU is advancing with the bidding processes for the construction and independent supervision of key civil works and other activities supported by the Project.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	● Substantial	● Substantial	● Substantial
Macroeconomic	● Substantial	● Substantial	● Substantial
Sector Strategies and Policies	● Substantial	● Substantial	● Substantial
Technical Design of Project or Program	● Moderate	● Moderate	● Moderate



Institutional Capacity for Implementation and Sustainability	● Moderate	● Moderate	● Moderate
Fiduciary	● Substantial	● Substantial	● Substantial
Environment and Social	● Substantial	● Substantial	● Substantial
Stakeholders	● Moderate	● Moderate	● Moderate
Other	--	--	--
Overall	● Substantial	● Substantial	● Substantial

## Results

### Project Development Objective Indicators

#### ► Volume(mass) of BOD pollution load removed by treatment plant under the project (Tones/year, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	8000.00
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019

#### ► Water & sanitation utility operating ratio (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.90	0.90	0.90	0.90
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

#### ► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1000000.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

#### ▲ Female beneficiaries (Percentage, Core Supplement)



Value	0.00	0.00	0.00	510000.00
-------	------	------	------	-----------

► People in urban areas provided with access to improved sanitation services under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	120000.00
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019

▲ Share of poor people in urban areas provided with access to improved sanitation services under the project (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00

Overall Comments

**Intermediate Results Indicators**

► Reduction of the average wastewater flow pumped in the "La Chala" pump station (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019



► Reduction of the annually reported repair tickets in the La Chala sector sewer main system (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

► Meters of sewers mains rehabilitated under the project (Meter(m), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40000.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

► New household sewer connections constructed under the project (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	27000.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

► Start of Construction of Las Esclusas WWTP (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2016



► Commissioning of Las Esclusas WWTP (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

► Share of the monthly average effluent from Las Esclusas WWTP outlet discharged into the Guayas River is compliant with regulatory quality standard for BDO, TSS and total coliforms (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

► Water quality Monitoring System for the Guayas River finalized and system operational (i.e a model has been prepared and calibrated) (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019

► Water Quality Monitoring System for the Estero Salado Estuary (i.e a model has been prepared and calibrated) (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019



▶ Master plan for the Management and Final Disposal or Reutilization of Bio-solids from WWTP finalized (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019

▶ Citizen Engagement: Number of beneficiary households that sign a certification that they are satisfied with the works conducted in their houses. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	26190.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

▶ People trained to improve hygiene behavior/sanitation practices under the proj (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	22500.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019

▶ People trained to improve hygiene behavior/sanitation practices - female (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	11700.00
Date	15-Sep-2015	11-Sep-2015	15-Mar-2016	31-Dec-2019



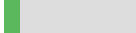
► Share of surveyed beneficiaries (gender disaggregated) that feel project investments reflect their needs (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	85.00
Date	15-Sep-2015	--	15-Mar-2016	31-Dec-2019

Overall Comments

### Data on Financial Performance

#### Disbursements (by loan)

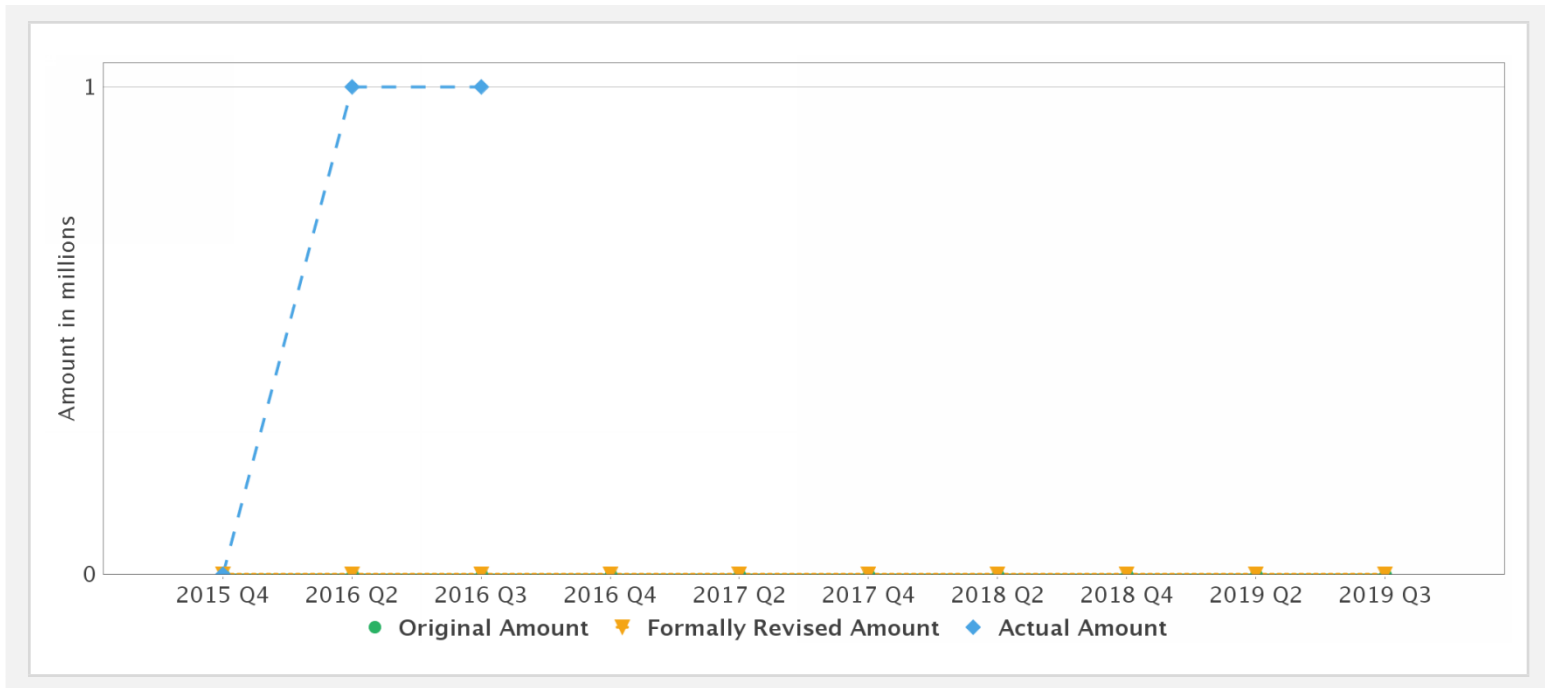
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P151439	IBRD-85050	Effective	USD	102.50	102.50	0.00	1.00	101.50	 1%

#### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P151439	IBRD-85050	Effective	22-Apr-2015	29-Jun-2015	15-Sep-2015	31-Dec-2019	31-Dec-2019

#### Cumulative Disbursements





## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.