

# PMR Operational Report

<b>Operation Number</b>	TT-L1018	<b>Chief of Operations Validation Date</b>	04/07/20
<b>Year- PMR Cycle</b>	Second period Jan-Dec 2019	<b>Division Chief Validation Date</b>	04/07/20
<b>Last Update</b>	03/27/20	<b>Country Representative Validation Date</b>	05/04/20
<b>PMR Validation Stage</b>	Validated by Representative		

## Basic Data

### Operation Profile

<b>Operation Name</b>	WASA Modernization and Wastewater Infrastructure Rehabilitation Program	<b>Loan Number</b>	2600/OC-TT
<b>Executing Agency</b>	WATER AND SEWERAGE AUTHORITY	<b>Sector/Subsector</b>	AS - WATER AND SANITATION
<b>Team Leader</b>	LEWIS, GILROY FRANCIS	<b>Overall Stage</b>	Fully Disbursed
<b>Operation Type</b>	Loan Operation	<b>Country</b>	Trinidad and Tobago
<b>Lending Instrument</b>	Investment Loan	<b>Convergence related Operation(s)</b>	
<b>Borrower</b>	TRINIDAD AND TOBAGO		

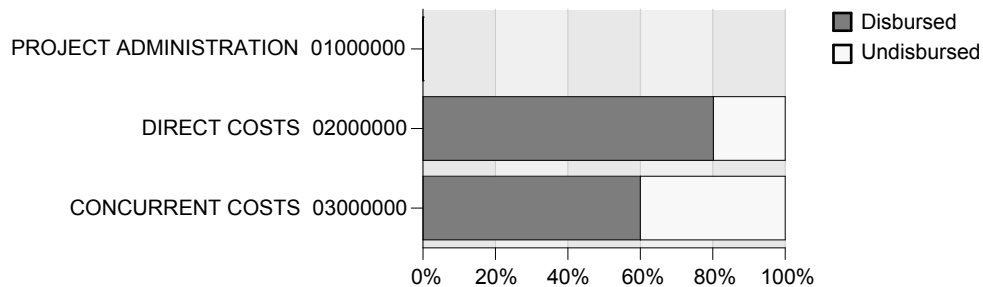
## Environmental and Social Safeguards

<b>Impacts Category</b>	B	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	Design stage - documents under review		

## Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
TT-L1018	50,000,000	50,000,000	0	0	50,000,000	50,000,000	50,000,000	100.00%	0
Aggregated	50,000,000	50,000,000	0	0	50,000,000	50,000,000	50,000,000	100.00%	0

## Expense Categories by Loan Contract (cumulative values)



## PMR Operational Report

### RESULTS MATRIX

### IMPACTS

No information available for this section

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## RESULTS MATRIX

### OUTCOMES

**Outcome Nbr. 1:** Wastewater management system in Trinidad improved

**Observation:**

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
1.1	Households in the program area covered by a centralized wastewater treatment systems	Households (#)	2,318.00	2012	P								6,200.00
					P(a)		0.00	0.00	0.00	0.00	2,739.00	2,739.00	6,200.00
					A			0.00	0.00	0.00	1,096.00	2,739.00	

#### Details

**Means of verification:** WASA statistic and water quality monitoring reports

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
1.2	Total Faecal Coliforms count discharged into Bon Accord Lagoon	cfu/100ml	120,000.00	2012	P				0.00	93.00	93.00		93.00
					P(a)		0.00	0.00	0.00	93.00	93.00		93.00
					A			0.00	0.00	160,000.00	16.00		

#### Details

**Means of verification:** WASA water quality monitoring reports

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
1.3	Estimated total daily average wastewater treated before being discharged in the Caroni river in program area	m3/d	1,900.00	2012	P				0.00	0.00	4,304.00		0.00
					P(a)		0.00	0.00	0.00	0.00	0.00	0.00	4,304.00
					A			0.00	0.00	0.00	0.00		

#### Details

**Means of verification:** WASA water quality monitoring reports

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
1.3	Estimated total daily average wastewater treated before discharge in the Bon Accord Lagoon in program area	m3/d	558.00	2017	P				0.00	3,500.00	3,500.00		3,500.00
					P(a)				0.00	3,500.00	3,500.00		3,500.00
					A				0.00	800.00	2,700.00		

#### Details

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Means of verification:** WASA statistic and water quality monitoring reports

**Pro-Gender** No **Pro-Ethnicity** No

**Outcome Nbr. 2:** WASA reorganized

**Observation:**

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
2.1	Number of employees per 1,000 connection	Employees	13.00	2012	P								11.00
					P(a)	12.00	11.00	0.00	11.00	0.00	0.00		11.00
					A	12.00	10.00	9.30	0.00	0.00	0.00		

#### Details

**Means of verification:** WASA Human Resources Division statistics

**Pro-Gender** No **Pro-Ethnicity** No

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
2.2	Personnel cost / operating expenses	%	50.00	2012	P				0.00				38.00
					P(a)	44.00	38.00		0.00	0.00	0.00		38.00
					A	44.00	41.60	40.30	0.00	0.00	0.00		

#### Details

**Means of verification:** WASA Finance Division statistics

**Pro-Gender** No **Pro-Ethnicity** No

**Outcome Nbr. 3:** WASA capacity (in O&M and water quality monitoring) improved

**Observation:**

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
3.1	Wastewater physical assets in good conditions in the program area	%	5.00	2012	P				0.00	90.00	95.00		95.00
					P(a)		0.00	0.00	0.00	90.00	95.00		95.00
					A			0.00	0.00	50.00	100.00		

#### Details

**Means of verification:** WASA Maintenance Team report

**Pro-Gender** No **Pro-Ethnicity** No

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	EOP 2022
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### RESULTS MATRIX

#### OUTCOMES

3.2	Wastewater quality samples complying with effluent standards for rehabilitated plants in program area	%	0.00	2012	P					0.00	100.00	100.00		100.00
					P(a)		0.00	0.00	0.00	0.00	95.00	95.00		100.00
					A			0.00	0.00	0.00	0.00	100.00		
Details														
Means of verification: WASA monitoring reports														
Pro-Gender		No			Pro-Ethnicity			No						

## RESULTS MATRIX

### OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

#### Component Nbr. 1 Wastewater management system in Trinidad improved

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2022	2019	EOP 2022
1.1	Waste Water Treatment Plants/ Stabilization Ponds rehabilitated in the program area	Plant	P		4		16,968,900
			P(a)	1	2	500,000	4,189,873.39
			A	1	2	4,257,647.15	7,947,520.54
1.2	Waste Water Treatment Plants converted into lift stations in the program area	Plant	P		7		1,863,000
			P(a)	2	3	600,000	1,580,188.14
			A	2	3	443,279.38	1,423,467.52
1.3	Gravity sewers installed in the program area	km	P		10		6,753,500
			P(a)		5.11	750,000	750,000
			A	4.53	11.58	0	0
1.4	Force main built in the program area	km	P		3		1,343,640
			P(a)		4.21	95,394.57	3,756,183.61
			A	0.55	10.95	2,309,508.6	5,970,297.64
1.5	New Wastewater Treatment Plant built in the Program Area	Plant	P		0		0
			P(a)	0	1	2,500,000	8,800,000.91
			A	0	0	1,983,981.91	1,983,981.91
1.6	Construction of new lift stations in the Program Area	Plant	P		0		0
			P(a)	10	11	1,500,000	1,819,304.35
			A	10	11	0	319,304.35
1.7	Detailed Designs and Tender Documents for New Maloney WWTP	Design	P		0		0
			P(a)	0	1	1,500,000	2,100,000
			A	0	0	0	0

#### Component Nbr. 2 WASA reorganized

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2022	2019	EOP 2022
2.1	Employees accepting separation packages, Vocational Training, and Health and Safety	Employees	P		550		20,113,000
			P(a)	0	955		20,113,000
			A	0	955	0	20,113,202

#### Component Nbr. 3 WASA capacity (in O&M and water quality monitoring) improved

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2022	2019	EOP 2022
3.1	Training/action plan on Operation & Maintenance and Standard Operating Procedures developed	Plan	P		1		50,000
			P(a)	1	1	0	0
			A	2	2	0	0
3.2	WASA staff trained on Operation & Maintenance and Standard Operating Procedure & collection system and treatment	Staff-month	P		45		200,010
			P(a)	25	25	0	0
			A	90	90	0	0
3.3	Yearly water quality monitoring program implemented	Plan	P		4		260,000
			P(a)	1	1	0	63,650.34
			A	1	1	0	63,650.34
3.4	WASA staff trained on environmental issues	Staff-Month	P		5		40,000
			P(a)		5	0	11,630.8
			A	12	12	0	11,630.8

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 4 Management, contingencies and others

				PHYSICAL PROGRESS	FINANCIAL PROGRESS
	Output	Unit of Measure		EOP	EOP
4.			P		
			P(a)		
			A		

## Other Cost

	Project administration	P				200,000
		P(a)			0	0
		A			0	0
	Auditing	P				150,000
		P(a)			25,000	377,000
		A			23,576.65	71,742.4
	Work supervision	P				1,332,000
		P(a)			150,000	765,363.22
		A			868,234.6	1,483,597.82
	Project standard information campaign	P				75,750
		P(a)			0	0
		A			0	0
	Monitoring and Evaluation	P				90,000
		P(a)			0	115,000
		A			0	23,763.66

## Total Cost

	Total Cost	P				49,439,800
		P(a)			7,620,394.57	44,441,194.76
		A			9,886,228.29	39,412,158.98

# PMR Operational Report

## CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Output	New Wastewater Treatment Plant built in the Program Area	The Trincity WWTP Design Build project commenced in the second semester of 2019. The construction period is for 24 months, hence it should be completed by 2021. The Executing Agency is in the process of requesting and extension to the final disbursement date of this loan operation as it will expire in April 2020.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	GILROYL	03/27/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	GILROYL	03/12/2020

# PMR Operational Report

## IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Acquisitions and Procurement - Provider Performance and Supervision
Environmental and Social Factors