

# PMR Operational Report

<b>Operation Number</b>	TT-L1026	<b>Chief of Operations Validation Date</b>	10/13/17
<b>Year- PMR Cycle</b>	First period Jan-Jun 2017	<b>Division Chief Validation Date</b>	
<b>Last Update</b>	10/13/17	<b>Country Representative Validation Date</b>	
<b>PMR Validation Stage</b>	Validated by Chief of Operations		

## Basic Data

### Operation Profile

<b>Operation Name</b>	Multi-Phase Wastewater Rehabilitation Program- Phase I	<b>Loan Number</b>	2890/OC-TT
<b>Executing Agency</b>	WATER AND SEWERAGE AUTHORITY	<b>Sector/Subsector</b>	AS-SAR - WATER AND SANITATION-SANITATION RURAL AND PERI-URBAN
<b>Team Leader</b>	CAYETANO, EVAN STEPHEN	<b>Overall Stage</b>	Disbursing (From eligibility until all the Operations are closed)
<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		

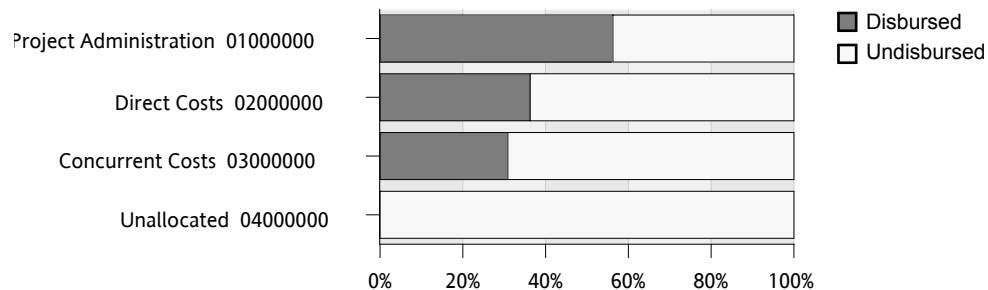
## Environmental and Social Safeguards

<b>Impacts Category</b>	B	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Partially Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	Satisfactory enforcement of E&S measures at WWTP construction sites.		

## 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-L1026	246,500,000	246,500,000	0	0	246,500,000	246,500,000	117,680,416.7	47.74%	128,819,583.3
Aggregated	246,500,000	246,500,000	0	0	246,500,000	246,500,000	117,680,416.7	47.74%	128,819,583.3

## Expense Categories by Loan Contract (cumulative values)



Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains. Please also note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## PMR Operational Report

### RESULTS MATRIX

### IMPACTS

No information available for this section

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Outcome Nbr. 1:** New wastewater treatment plants in San Fernando and Malabar functioning according to design

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.1	Households with new connection to a sewerage network in pilot area (household)	Households (#)	0.0	2012	P	0.00	0.00	0.00	200.00	200.00			400.00
					P(a)	0.00	0.00	0.00	0.00	101.00	172.00		172.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** Completion certificate signed by construction supervisor and WASA; Semi-annual reports to IDB.

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

	Afro-descendant	P											
		P(a)											
		A											
	Indigenous	P											
		P(a)											
		A											

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.2	Households connected to an improved sewerage network in Malabar and San Fernando (household)	Households (#)	0.0	2012	P	0.00	0.00	0.00	0.00	16,626.00	0.00		16,626.00
					P(a)	0.00	0.00	0.00	0.00	0.00	16,626.00		16,626.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** Completion certificate signed by construction supervisor and WASA; Semi-annual reports to IDB.

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

	Afro-descendant	P											
		P(a)											
		A											
	Indigenous	P											
		P(a)											
		A											

Indicator	Unit of	Baseline	Baseline		2013	2014	2015	2016	2017	2018	2019	EOP 2020
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## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

		Measure	Baseline	Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.3	Malabar: Percentage of population in the catchment covered by the WWTP (percentage)	%	0.0	2012	P	0.00	0.00	0.00	0.00	100.00	0.00		100.00
					P(a)	0.00	0.00	0.00	0.00	0.00	100.00		100.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** WASA water quality monitoring reports (catchment area); Semi-annual reports to IDB.

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

		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.4	San Fernando: Percentage of population in the catchment treated by the WWTP (percentage)	%	0.0	2012	P	0.00	0.00	0.00	0.00	100.00	0.00		100.00
					P(a)	0.00	0.00	0.00	0.00	0.00	100.00		100.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** WASA water quality monitoring reports (catchment area); Semi-annual reports to IDB.

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

		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.5	Malabar: Percentage of wastewater treated by the WWTP meeting the Water Pollution Rules (percentage) and having a zero or positive net impact on downstream water quality (in relation to upstream water quality)	%	0.0	2012	P	0.00	0.00	0.00	90.00	90.00	90.00	90.00	90.00
					P(a)	0.00	0.00	0.00	0.00	90.00	90.00	90.00	90.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** WASA water quality monitoring reports (monitoring point at outfall site). The ESMP will specify the sampling points and the definition of a baseline.

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

		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.6	San Fernando: Percentage of wastewater treated by the WWTP meeting the Water Pollution Rules (percentage) and having a zero or positive net impact on downstream water quality (in relation to upstream water quality)	%	0.0	2012	P	0.00	0.00	0.00	90.00	90.00	90.00	90.00	90.00
					P(a)	0.00	0.00	0.00	0.00	0.00	90.00	90.00	90.00
					A	0.00	0.00	0.00	0.00	0.00			0.00

#### Details

**Means of verification:** WASA water quality monitoring reports (monitoring point at outfall site). The ESMP will specify the sampling points and the definition of a baseline.

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

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.7	Women trained in water quality monitoring	%	0.0	2013	P	0.00	50.00	0.00	0.00	0.00	0.00	0.00	50.00
					P(a)	0.00	50.00	50.00	21.00	17.00		51.00	
					A	0.00	0.00	0.00	21.00	36.00		57.00	

#### Details

**Means of verification:** WASA monitoring reports

<b>Pro-Gender</b>	Yes	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
1.8	Households with treated wastewater	Households (#)	0.0	2013	P	0.00	0.00	0.00	200.00	16,826.00	17,026.00	17,026.00	17,026.00
					P(a)	0.00	0.00	0.00	0.00	17,026.00	17,026.00	17,026.00	
					A	0.00	0.00	0.00	0.00	0.00		0.00	

#### Details

**Means of verification:** WASA Semi Annual Report

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 2:** WASA is reorganized, strengthened and operating more efficiently

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020
2.1	Hours of preventative maintenance in the Malabar and San Fernando systems (hours/month)	Hours/month	200.0	2012	P	300.00	400.00	500.00	600.00	720.00	720.00	720.00	720.00
					P(a)	300.00	400.00	500.00	600.00	720.00	720.00	720.00	
					A	200.00	297.00	1,284.00	2,750.00	1,300.00		4,434.00	

#### Details

**Means of verification:** WASA internal reports, Semi-annual reports to IDB

<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	EOP 2020
2.2	New systems (Malabar and San Fernando WWTP) operated and maintained according to design specifications (system)	System	0.0	2012	P	0.00	0.00	0.00	0.00	2.00	2.00	2.00	2.00
					P(a)	0.00	0.00	0.00	0.00	2.00	2.00	2.00	
					A	0.00	0.00	0.00	0.00	0.00		0.00	

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Details													
<b>Means of verification:</b> WASA internal reports, Semi-annual reports to IDB													
<b>Pro-Gender</b> No				<b>Pro-Ethnicity</b>				No					
Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020	
2.3	New systems (Malabar and San Fernando WWTP) designed, implemented, operating and maintained according to social and environmental specifications (system)	System	0.0	2012	P	0.00	0.00	0.00	0.00	2.00	2.00	2.00	2.00
					P(a)	0.00	0.00	0.00	0.00	2.00	2.00	2.00	2.00
					A	0.00	0.00	0.00	0.00	0.00			0.00
Details													
<b>Means of verification:</b> WASA internal reports, Semi-annual reports to IDB													
<b>Pro-Gender</b> No				<b>Pro-Ethnicity</b>				No					
Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020	
2.4	WASA with new set of corporate governance policies (approved by the Board)	CG Policy	0.0	2012	P	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00
					P(a)	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00
					A	0.00	0.00	0.00	0.00	0.00			0.00
Details													
<b>Means of verification:</b> Consultant Reports; Semi-annual reports to IDB. WASA's Board minutes.													
<b>Pro-Gender</b> No				<b>Pro-Ethnicity</b>				No					
Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020	
2.5	Corporate governance policies and compliance report disclosure of WASA's web page	Disclosure	0.0	2012	P	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00
					P(a)	0.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00
					A	0.00	0.00	0.00	0.00	0.00			0.00
Details													
<b>Means of verification:</b> Consultant Reports; Project Monitoring and Evaluation System; WASA's web page.													
<b>Pro-Gender</b> No				<b>Pro-Ethnicity</b>				No					
Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020	
2.6	WASA's audited financial statements available to the public	Disclosure	0.0	2012	P	0.00	1.00	1.00	1.00	1.00	0.00		4.00
					P(a)	0.00	1.00	1.00	2.00	1.00	1.00		7.00

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

2.6	WASA's audited financial statements available to the public	Disclosure	0.0	2012	A	0.00	0.00	0.00	0.00	0.00			0.00
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#### Details

**Means of verification:** Consultant Reports; Project Monitoring and Evaluation System; WASA's web page.

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

Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	EOP 2020	
2.7	Percentage of WASA costumers served with new billing system	%	0.0	2012	P	0.00	0.00	0.00	100.00	100.00	0.00	0.00	100.00
					P(a)	0.00	0.00	0.00	100.00	100.00	0.00	0.00	100.00
					A	0.00	0.00	0.00	0.00	100.00			0.00

#### Details

**Means of verification:** WASA Financial Planning and Management report; Semi-annual reports to IDB.

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

**RESULTS MATRIX**

**OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS**

**Component Nbr. 1 New wastewater treatment plants in San Fernando and Malabar functioning according to design**

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2017	EOP 2020	2017	EOP 2020
1.1	Equipment for operation and maintenance acquired (equipment)	Equipment	P		4		150,000
			P(a)	0	2	700,000	700,000
			A	0	0	0	0
1.2	Malabar Waste Water Treatment Plants built (includes commissioned)	Plant	P	0	1	8,923,233	63,716,869
			P(a)	1	1	23,241,012	63,716,869
			A	0	0	16,074,195.04	50,178,364.84
1.3	Old Malabar Waste Water Treatment Plants decommissioned (plants)	Plant	P	0	1	0	1,000,000
			P(a)	1	1	0	1,000,000
			A	0	0	0	0
1.4	San Fernando Waste Water Treatment Plants built (includes commissioned)	Plant	P	0	1	20,260,187	77,150,469
			P(a)	0	1	16,000,000	77,150,469
			A	0	0	16,385,317.79	37,800,137.67
1.5	Old San Fernando Waste Water Treatment Plants decommissioned	Plant	P	0	1	0	1,000,000
			P(a)	0	1	0	1,000,000
			A	0	0	0	0
1.6	Sewage pumping stations built	Station	P		4	2,200,957	11,004,785
			P(a)	2	4	3,000,000	11,004,785
			A	0	0	0	0
1.7	Sewerage network built	Km	P		26	6,296,255	58,029,930
			P(a)	10.65	17.7	13,000,000	58,029,930
			A	4.4	5.75	0	0
1.8	Intra-domiciliary sanitary connections built in pilot area	Connection	P		400		2,812,500
			P(a)	101	273	1,265,625	2,812,500
			A	0	0	0	0
1.9	Access Road/Bridge to San Fernando WWTP built	Road	P		1		2,489,228.93
			P(a)	0	1		2,232,804.97
			A	0	1	0	2,239,851.25



**RESULTS MATRIX**

**OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS**

Component Nbr. 2 WASA is reorganized, strengthened and operating more efficiently

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2017	EOP 2020	2017	EOP 2020
2.1	Training activities on preventative maintenance (including training on use of new equipment) implemented	Training	P	0	2	0	200,000
			P(a)	1	2	100,000	200,000
			A	0	0	0	0
2.2	Training activities in water quality monitoring, including water quality assessment guidelines in line with best international practice, implemented (program)	Training	P		4		50,000
			P(a)	1	3	25,000	50,000
			A	0	1	0	0
2.3	Environmental education campaigns implemented	Campaign	P		2		50,500
			P(a)	1	2	10,000	50,500
			A	1	2	8,459.55	8,459.55
2.4	Action plan for corporate governance implemented	Plan implemented	P		4		818,448
			P(a)	1	4	226,162.02	560,000
			A	0	3	0	333,837.98
2.5	Action plan for commercial management implemented	Plan implemented	P	0	1	0	2,600,000
			P(a)	1	1	3,550,287	7,273,364.39
			A	1	1	1,755,274.5	5,478,351.89

**Other Cost**

Auditing	P			66,668	198,668
	P(a)			66,668	198,668
	A			37,217.53	112,241.29
Contingencies	P				1,120,000
	P(a)				1,120,000
	A			0	0
Evaluations	P			50,000	100,000
	P(a)			50,000	100,000
	A			11,250	11,250
Project Management and Supervision	P			357,142	1,000,000
	P(a)			357,142	1,000,000
	A			0	44,918.9
Works Supervision	P			1,385,559	5,444,451
	P(a)			1,385,559	5,444,451
	A			858,993.01	2,522,694.53
Works cost escalation	P				17,559,771.93
	P(a)				12,855,658.64
	A			0	0

**Total Cost**

Total Cost	P			39,540,001	246,495,620.86
	P(a)			62,977,455.02	246,500,000
	A			35,130,707.42	98,730,107.9

No information available for this section