

PMR Operational Report

| | | | |
|-----------------------------|-----------------------------|---|----------|
| Operation Number | PN-L1109 | Chief of Operations Validation Date | 04/03/20 |
| Year- PMR Cycle | Second period Jan-Dec 2019 | Division Chief Validation Date | 04/07/20 |
| Last Update | 03/24/20 | Country Representative Validation Date | 04/30/20 |
| PMR Validation Stage | Validated by Representative | | |

Basic Data

Operation Profile

| | | | |
|---------------------------|---|---|---|
| Operation Name | Panama City and Bay Sanitation Program II | Loan Number | 3506/CH-PN, 3506/OC-PN |
| Executing Agency | MINISTERIO DE SALUD | Sector/Subsector | AS-SAU - WATER AND SANITATION-SANITATION URBAN |
| Team Leader | GARZONIO, OMAR DARIO | Overall Stage | Disbursing (From eligibility until all the Operations are closed) |
| Operation Type | Loan Operation | Country | Panama |
| Lending Instrument | Investment Loan | Convergence related Operation(s) | |
| Borrower | REPUBLICA DE PANAMA | | |

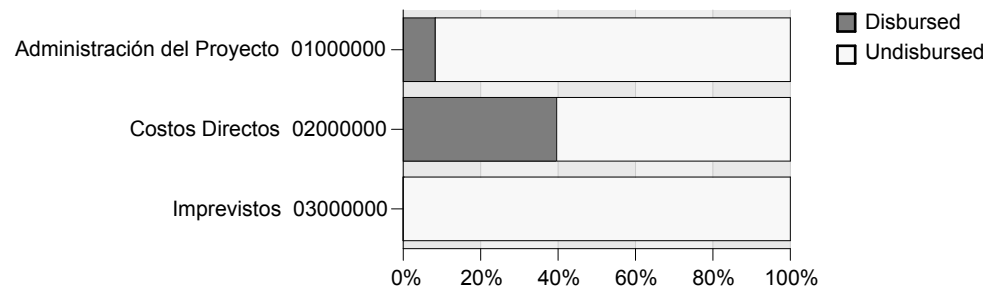
Environmental and Social Safeguards

| | | | |
|---|--|--|----|
| Impacts Category | B | Was/Were the objective(s) of this operation reformulated? | NO |
| Safeguard Performance Rating | Partially Satisfactory | Date of approval | |
| Safeguard Performance Rating - Rationale | <p>Se ha observado un buen nivel de desempeño y una adecuada capacidad gerencial por parte de la UCP y de los contratistas involucrados en las obras (ambos Suez International S.A.S. como empresa constructora, y Nippon Koei como firma supervisora).</p> <p>Se considera que los riesgos ambientales y sociales están suficientemente identificados y que existe un sistema de gestión eficaz para asegurar el cumplimiento de las obligaciones establecidas en los planes de manejo ambiental y social. Las prácticas y los procesos de supervisión ambiental y social se consideran implementados de forma sistemática y ejecutados de forma diligente, aunque si se necesita un nivel de documentación más detallada para confirmar el cumplimiento del monitoreo ambiental de la PTAR.</p> <p>El manejo de la comunicación con las comunidades y de las quejas se considera satisfactorio.</p> <p>Sin embargo, el desempeño no se clasifica plenamente satisfactorio debido a los siguientes aspectos:</p> <p>1) Los reportes semestrales no incluyen los datos específicos de monitoreo ambiental con respecto a los efluentes (y sus valores de concentración de contaminantes) en el punto de descarga de la PTAR;</p> <p>2) no se presenta evidencia en los informes semestrales de los datos de monitoreo de la concentración de contaminantes en el sitio RAMSAR;</p> <p>3) La condición contractual de préstamo 3.04 "Contratar la estrategia para la gestión del Sitio RAMSAR" no se ha cumplido.</p> | | |

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 |
| PN-L1109 | 110,000,000 | 110,000,000 | 71,370,000 | 0 | 181,370,000 | 110,000,000 | 44,103,081.34 | 40.09% | 65,896,918.66 |
| Aggregated | 110,000,000 | 110,000,000 | 71,370,000 | 0 | 181,370,000 | 110,000,000 | 44,103,081.34 | 40.09% | 65,896,918.66 |

Expense Categories by Loan Contract (cumulative values)



Please 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.

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RESULTS MATRIX

IMPACTS

No information available for this section

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RESULTS MATRIX

OUTCOMES

Outcome Nbr. 0: Capacidad de tratamiento de aguas residuales en el área metropolitana de la Ciudad de Panamá incrementada

Observation:

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|----------|---------------|------|------|------|------|------|------|----------|
| 0.0 | Caudal de aguas residuales tratado en el área metropolitana de la ciudad de Panamá | m3/s | 1.90 | 2016 | P | | | | 5.10 | 5.10 |
| | | | | | P(a) | | | | 5.10 | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Informe de gestion operacional de la UCP. Informe de evaluacion final.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|---|----------------|---------------|------|------|------|------|------|------------|------------|
| 0.1 | Hogares en el área metropolitana de la Ciudad de Panamá cuyas aguas residuales son tratadas por la PTAR Juan Díaz | Households (#) | 104,878.00 | 2016 | P | | | | 235,018.00 | 235,018.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Informe de gestión operacional de la UCP. Informe de evaluación final

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|---|----------|---------------|------|------|------|------|------|-------|----------|
| 0.2 | Hogares en el área metropolitana de la Ciudad de Panamá cuyas aguas residuales son tratadas por la PTAR Juan Díaz | % | 25.70 | 2016 | P | | | | 57.70 | 57.70 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Informe de gestión operacional de la UCP. Informe de evaluación final.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|-----------------------------------|---------------|------|------|------|------|------|--------|----------|
| 0.3 | Calidad de agua de la Bahía de Panamá mejorada | Coliformes fecales (en UFC/100ml) | 6,200.00 | 2016 | P | | | | 200.00 | 200.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

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OUTCOMES

Means of verification: Valores en base al punto de muestreo No. S-3 (Paitilla) Línea base (Infraeco). Informe de gestión operacional de la UCP. Informe de evaluación final.

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

Outcome Nbr. 1: Calidad de agua de ríos y quebradas mejorada

Observation:

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|----------|---------------|------|------|------|------|------|------|----------|
| 1.0 | Calidad de agua del río Matasnillo mejorada, según normas nacionales | ICA | 15.00 | 2016 | P | | | | | 70.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Valores en base al punto de muestreo No. E-7, Línea Base (Infraeco). Informe de gestión operacional de la UCP. Informe de evaluación final.

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

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|---|----------|---------------|------|------|------|------|------|-------|----------|
| 1.1 | Calidad de agua del río Curundú mejorada, según normas nacionales | ICA | 25.00 | 2016 | P | | | | 70.00 | 70.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Valores en base al punto de muestreo No. E-6, Línea Base (Infraeco). Informe de gestión operacional de la UCP. Informe de evaluación final.

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

Outcome Nbr. 2: Sistema de saneamiento a cargo de la UCP operando y en mantenimiento según especificaciones técnicas de diseño

Observation:

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|----------|---------------|------|------|------|------|------|--------|----------|
| 2.0 | Obras complementarias del segundo módulo operando y en mantenimiento según especificaciones técnicas de diseño | % | 0.00 | 2016 | P | | | | 100.00 | 100.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | 0.00 | | | |

Details

Means of verification: Informe de anual de gestión operacional de la UCP. Informe de evaluación final.

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

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|-----------------|----------|---------------|--|------|------|------|------|------|----------|
|-----------|-----------------|----------|---------------|--|------|------|------|------|------|----------|

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OUTCOMES

| | | | | | | | | | | | |
|-----|---|--------|------|------|------|--|--|------|--|------|------|
| 2.1 | Segundo módulo de la planta de tratamiento de aguas residuales de Juan Díaz operando y en mantenimiento según especificaciones técnicas de diseño | Planta | 0.00 | 2016 | P | | | | | 1.00 | 1.00 |
| | | | | | P(a) | | | | | | |
| | | | | | A | | | 0.00 | | | |

Details

Means of verification: Informe de anual de gestión operacional de la UCP. Informe de evaluación final.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|------|------|------|------|------|------|----------|
| 2.2 | Principales procesos de gestión certificados con normas internacionales de calidad | Procesos | 0.00 | 2016 | P | | | | | 3.00 | 3.00 |
| | | | | | P(a) | | | | | | |
| | | | | | A | | | 0.00 | | | |

Details

Means of verification: Normas ISO 9001:2008, 14001:2004 Y las OHSAS 18001:2007

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

Outcome Nbr. 3: Efluente de entrada a la PTAR con mayor carga orgánica

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|---|-----------------|----------|---------------|------|------|------|------|------|--------|----------|
| 3.0 | Carga orgánica promedio de efluente de entrada a la PTAR incrementada | DBO (mg/l) | 104.00 | 2016 | P | | | | | 114.00 | 114.00 |
| | | | | | P(a) | | | | | | |
| | | | | | A | | | 0.00 | | | |

Details

Means of verification: Informe de anual de gestión operacional de la UCP. Informe de evaluación final.

| | | | |
|-------------------|----|----------------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|-------------------|----|----------------------|----|

Outcome Nbr. 4: Banco de datos de calidad del agua disponible

Observation:

| Indicator | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|---|----------------|---------------|------|------|------|------|------|------|----------|
| 4.0 | Banco de datos de calidad del agua de la Bahía de Panamá disponible en el sitio web del MINSA | Banco de datos | 0.00 | 2016 | P | | | 1.00 | | 1.00 |
| | | | | | P(a) | | | | | |
| | | | | | A | | | 0.00 | | |

Details

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OUTCOMES

Means of verification: Informe de anual de gestión operacional de la UCP. Informe de evaluación final.

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

Outcome Nbr. 5: Estrategia de gestión del sitio RAMSAR cumple con legislación nacional

Observation:

| Indicator | | Unit of Measure | Baseline | Baseline Year | | 2016 | 2017 | 2018 | 2019 | 2020 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|------|------|------|------|------|------|----------|
| 5.0 | Estrategia para la gestión del sitio RAMSAR de la Bahía de Panamá aprobada por el Ministerio de Ambiente de Panamá | Estrategia | 0.00 | 2016 | P | | | | | 1.00 | 1.00 |
| | | | | | P(a) | | | | | | |
| | | | | | A | | | 0.00 | | | |

Details

Means of verification: Informe de anual de gestión operacional de la UCP. Informe de evaluación final.

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

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Construcción del segundo módulo de tratamiento de la PTAR

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|-------------------------------------|------------------|------|-------------------|----------|--------------------|---------------|
| | | | | 2019 | EOP 2020 | 2019 | EOP 2020 |
| 1.1 | PTAR Juan Díaz ampliada - II módulo | Planta | P | 0 | 1 | 49,378,745 | 160,285,000 |
| | | | P(a) | 0 | 1 | 48,224,894 | 160,285,000 |
| | | | A | 0 | 0 | 38,283,754.66 | 71,628,604 |
| 1.2 | PTAR operando | Millones de US\$ | P | | 50 | | 50,000,000 |
| | | | P(a) | 0 | 50 | 15,000,000 | 50,000,000 |
| | | | A | 0 | 0 | 6,576,689.02 | 15,938,682.23 |

Component Nbr. 2 Obras complementarias al sistema de alcantarillado sanitario

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|---|-----------------|------|-------------------|----------|--------------------|--------------|
| | | | | 2019 | EOP 2020 | 2019 | EOP 2020 |
| 2.1 | Sistema de colectoras Paitilla y Punta Pacifica construidos | Sistema | P | | 2 | | 19,599,999 |
| | | | P(a) | 2 | 2 | 3,932,575.51 | 19,599,999 |
| | | | A | 2 | 2 | 3,932,575.51 | 19,599,999 |
| 2.2 | Sistema de colectoras Matasnillo construido | Sistema | P | | 1 | 6,837,211 | 36,300,000 |
| | | | P(a) | 0 | 1 | 9,672,747 | 36,300,000 |
| | | | A | 0 | 0 | 725,432.38 | 2,039,926.75 |
| 2.3 | Sistema de colectoras Bella Vista y Calidonia construidos | Sistema | P | | 1 | 452,541.43 | 36,200,000 |
| | | | P(a) | 0 | 1 | 958,970 | 36,200,000 |
| | | | A | 0 | 0 | 0 | 0 |
| 2.4 | Sistema de colectoras de Chanis construido | Sistema | P | | 1 | | 1,600,000 |
| | | | P(a) | 0 | 1 | 80,000 | 1,600,000 |
| | | | A | 0 | 0 | 0 | 0 |
| 2.5 | Sistema de colectoras de Curundú construido | Sistema | P | | 1 | 871,746 | 4,700,001 |
| | | | P(a) | 0 | 1 | 921,048 | 4,700,001 |
| | | | A | 0 | 0 | 0 | 0 |

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 3 Fortalecimiento Institucional

| | Output | Unit of Measure | | PHYSICAL PROGRESS | | FINANCIAL PROGRESS | |
|-----|---|-----------------|------|-------------------|----------|--------------------|--------------|
| | | | | 2019 | EOP 2020 | 2019 | EOP 2020 |
| 3.1 | Manuales, procedimientos e instructivos para la UCP desarrollados e implementados | Documento | P | 25 | 77 | 648,000 | 1,500,000 |
| | | | P(a) | 9 | 68 | 648,000 | 1,500,000 |
| | | | A | 0 | 59 | 1,013.18 | 81,597.57 |
| 3.2 | Actividades de capacitación e implantación del SIG desarrolladas | Actividad | P | 1 | 7 | 361,800 | 2,000,000 |
| | | | P(a) | 1 | 7 | 361,800 | 2,000,000 |
| | | | A | 1 | 6 | 241,148.06 | 269,824.06 |
| 3.3 | Estrategia para la reducción del consumo de agua elaborada | Estrategia | P | 1 | 1 | 180,000 | 200,000 |
| | | | P(a) | 1 | 0 | 200,000 | 200,000 |
| | | | A | 0 | 0 | 0 | 0 |
| 3.4 | Actividades de implementación de la estrategia de reducción de consumo de agua y la protección de ríos y quebradas a cargo de la UCP ejecutadas | Actividad | P | | 3 | 262,500 | 2,000,000 |
| | | | P(a) | 0 | 3 | 262,500 | 2,000,000 |
| | | | A | 0 | 0 | 0 | 0 |
| 3.5 | Programa de monitoreo de calidad de agua de ríos, quebradas y Bahía de Panamá, implementado | Programa | P | | 1 | 569,189 | 2,000,000 |
| | | | P(a) | 0 | 1 | 569,189 | 2,000,000 |
| | | | A | 0 | 0 | 569,189 | 1,012,366.17 |
| 3.6 | Estrategia para la gestión del sitio RAMSAR de la Bahía de Panamá implementada | Plan | P | | 1 | | 1,700,000 |
| | | | P(a) | 0 | 1 | 0 | 1,700,000 |
| | | | A | 0 | 0 | 0 | 0 |
| 3.7 | Programa de comunicación y sensibilización para el uso racional de agua implementado | Programa | P | | 1 | 62,147 | 2,200,000 |
| | | | P(a) | 0 | 1 | 62,147 | 2,200,000 |
| | | | A | 0 | 0 | 14,187.93 | 184,695.56 |

Other Cost

| | | | | | |
|--|------|--|--|-----------|------------|
| Administración | P | | | 2,400,000 | 13,300,000 |
| | P(a) | | | 3,337,848 | 13,300,000 |
| | A | | | 14,623.26 | 1,759,379 |
| Contratación de Servicios de Auditoría Financiera / Contable | P | | | 73,000 | 365,000 |
| | P(a) | | | 119,000 | 365,000 |
| | A | | | 3,150 | 51,300 |
| Monitoreo del Programa | P | | | | 225,000 |
| | P(a) | | | 0 | 225,000 |
| | A | | | 0 | 0 |
| Evaluación Intermedia del Programa | P | | | 20,000 | 20,000 |
| | P(a) | | | 20,000 | 20,000 |
| | A | | | 0 | 0 |
| Evaluación Final del Programa | P | | | | 40,000 |
| | P(a) | | | 0 | 40,000 |
| | A | | | 0 | 0 |
| Imprevistos | P | | | | 7,135,000 |
| | P(a) | | | 0 | 7,135,000 |
| | A | | | 0 | 0 |

Total Cost

| | | | | | |
|------------|------|--|--|---------------|----------------|
| Total Cost | P | | | 62,116,879.43 | 341,370,000 |
| | P(a) | | | 84,370,718.51 | 341,370,000 |
| | A | | | 50,361,763 | 112,566,374.34 |

CHANGES TO THE MATRIX

No information available for this section

PMR Operational Report

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories

Others - Dimensions Related to Public Processes/ Actors