



Operation Number: **VE-L1037**
Year- PMR Cycle: **Second period Jan-Dec 2015**
Last Update: **3/16/2016**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **03/31/2016**
Division Chief validation date: **03/31/2016**
Country Representative validation date: **04/01/2016**

Inter-American Development Bank - IDB
Office of Strategic Planning and Development Effectiveness

Operation Profile

Basic Data

| | | | |
|------------------------|---|-----------------------------------|---|
| Operation name: | Sanitation of Guaire River | Loan Number: | 2778/OC-VE |
| Executing Agency (EA): | MINISTERIO DEL PODER POPULAR PARA EL AMBIENTE | | |
| Team Leader: | Cressa Z.,Rudi | Sector/Subsector: | SANITATION URBAN |
| Operation Type: | Loan Operation | Overall Stage: | Disbursing (From eligibility until all the loans are closed). |
| Lending Instrument: | Investment Loan | Country: | VENEZUELA |
| Borrower: | REPUBLICA BOLIVARIANA DE VENEZUELA | | |
| | | Convergence related Operation(s): | |

Total Cost and Source

| | Original IDB | Current Active IDB | Local Counterpart | Co-Financing/Country | Total operation cost - Original Estimate |
|----------|------------------|--------------------|-------------------|----------------------|--|
| VE-L1037 | \$300,000,000.00 | \$300,000,000.00 | \$70,000,000.00 | \$0.00 | \$370,000,000.00 |

Available Funds (US\$)

| | Current IDB | Disb. Amount to Date | % Disbursed | Undisbursed Balance |
|----------|------------------|----------------------|-------------|---------------------|
| VE-L1037 | \$300,000,000.00 | \$77,664,341.42 | 25.89% | \$222,335,658.58 |

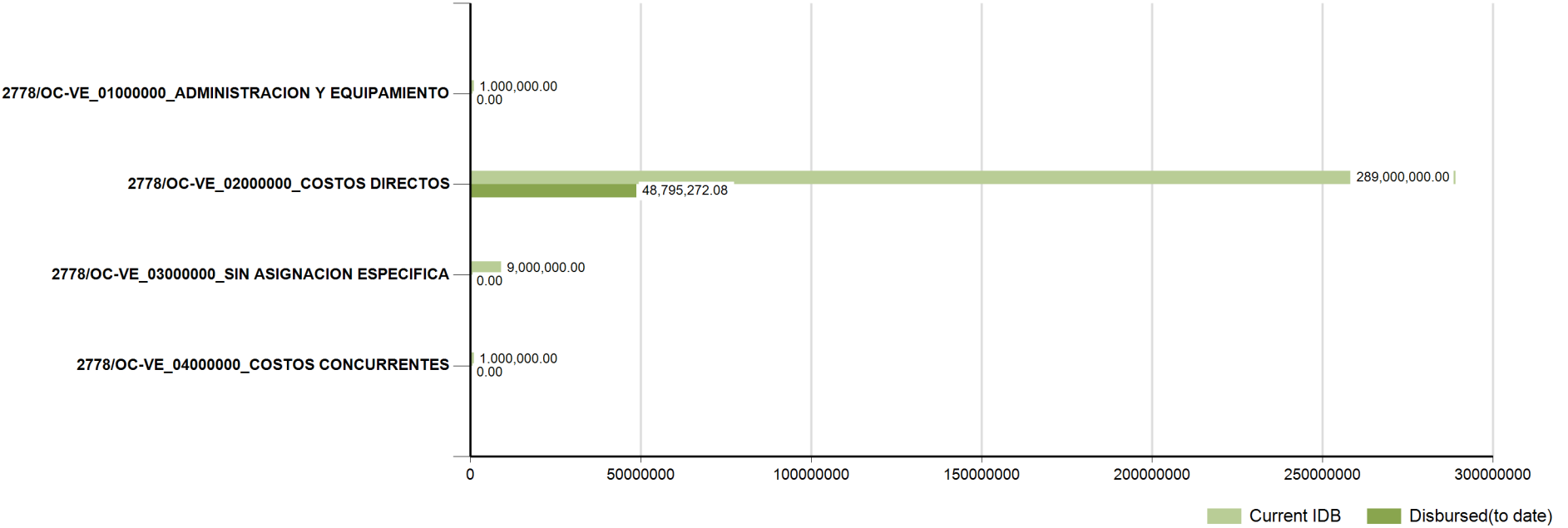
Environmental and Social Safeguards

| Main Operation | |
|---|---|
| Impacts Category: | B |
| Safeguard Performance Rating: | |
| Safeguard Performance Rating - Rationale: | |

Reformulation Information

| Main Operation | |
|---|----|
| Was/Were the objective(s) of this operation reformulated? | NO |
| Date of approval: | |

Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

No information related to this operation.

Outcomes

| | | | | | | | | | | | | |
|---|---|-----------------|----------|---------------|---|--------------|------|-------|-------|-------|-------|-------|
| Outcome: | 1 Monitoreo sistematizado de la calidad de agua en la cuenca y subcuencas del RG | | | | | | | | | | | |
| Observation: | | | | | | | | | | | | |
| | | | | | | | 2013 | 2014 | 2015 | 2016 | EOP | |
| Indicators | Flags* | Unit of Measure | Baseline | Baseline Year | Means of verification | Observations | | | | | | |
| 1.1 Monitoreo sistematizado de la calidad de agua en la cuenca y subcuencas del RG | | Informes | 0.00 | 2013 | Informes periódicos de resultados | | P | 2.00 | 2.00 | 2.00 | 2.00 | 8.00 |
| | | | | | | | P(a) | 2.00 | 2.00 | 2.00 | 2.00 | 4.00 |
| | | | | | | | A | 2.00 | 0.00 | 0.00 | | |
| | | | | | | | | | | | | |
| Outcome: | 2 Participación del Personal de la UEPSRG en cursos de mejora y actualización profesional | | | | | | | | | | | |
| Observation: | | | | | | | | | | | | |
| | | | | | | | 2013 | 2014 | 2015 | 2016 | EOP | |
| Indicators | Flags* | Unit of Measure | Baseline | Baseline Year | Means of verification | Observations | | | | | | |
| 2.1 Personal de la UEPSRG en cursos de mejora y actualización profesional | | Personas | 3.00 | 2013 | Transferencia de conocimientos a través de talleres, exposiciones, etc. | | P | | 11.00 | 11.00 | 11.00 | 36.00 |
| | | | | | | | P(a) | | 11.00 | 11.00 | 11.00 | 18.00 |
| | | | | | | | A | | 4.00 | 3.00 | | |
| | | | | | | | | | | | | |
| Outcome: | 3 Información a la comunidad fortalecida | | | | | | | | | | | |
| Observation: | | | | | | | | | | | | |
| | | | | | | | 2013 | 2014 | 2015 | 2016 | EOP | |
| Indicators | Flags* | Unit of Measure | Baseline | Baseline Year | Means of verification | Observations | | | | | | |
| 3.1 Población informada y sensibilizada sobre los alcances e impactos del proyecto | | % | 0.00 | 2013 | Encuesta de percepción en las comunidades intervenidas. | | P | 20.00 | 50.00 | 70.00 | 80.00 | 80.00 |
| | | | | | | | P(a) | 20.00 | 50.00 | 70.00 | 80.00 | 80.00 |
| | | | | | | | A | 20.00 | 20.00 | 29.00 | | |
| | | | | | | | | | | | | |
| 3.2 Comunidades concientizadas y con actitudes favorables en los aspectos hidrosanitarios y ambientales en las zonas de intervención del Programa | | Comunidades | 0.00 | 2013 | | | P | 8.00 | 16.00 | 16.00 | 8.00 | 48.00 |
| | | | | | | | P(a) | 8.00 | 16.00 | 16.00 | 8.00 | 30.00 |
| | | | | | | | A | 8.00 | 0.00 | 14.00 | | |
| | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|---|--------|-----------------|----------|---------------|-----------------------|---|------|--|-----------|-----------|-----------|-----------|
| Outcome: | 4 Captación de las Aguas Servidas y Residuales en el tramo del RG objeto de intervención incrementada | | | | | | | | | | | | |
| Observation: | | | | | | | | | | | | | |
| Indicators | | Flags* | Unit of Measure | Baseline | Baseline Year | Means of verification | Observations | 2013 | | 2014 | 2015 | 2016 | EOP |
| | | | | | | | | | | | | | |
| 4.1 AS y AR interceptadas en las 12 subcuencas objeto del programa | | | % | 20.00 | 2013 | | Se diseñará e implementará un Sistema de Instrumentación para el monitoreo, financiado con recursos del Programa, que permitirá determinar el valor de línea base y de los objetivos a lograr en cada una de las subcuencas a intervenir. | P | | 15.00 | 35.00 | 20.00 | 90.00 |
| | | | | | | | | P(a) | | 15.00 | 35.00 | 20.00 | 40.00 |
| | | | | | | | | A | | 0.00 | 0.00 | | |
| 4.2 Materia orgánica interceptada en el tramo de la cuenca del RG atendida por el programa | | | KgDBO5/d | 0.00 | 2013 | | Se diseñará e implementará un sistema de instrumentación para el monitoreo, que permitirá determinar el valor de línea base | P | | 38,500.00 | 69,300.00 | 77,000.00 | 77,000.00 |
| | | | | | | | | P(a) | | 38,500.00 | 69,300.00 | 77,000.00 | 77,000.00 |
| | | | | | | | | A | | 0.00 | 0.00 | | |
| Outcome: | 5 Nivel de vulnerabilidad de las poblaciones aledañas reducido | | | | | | | | | | | | |
| Observation: | | | | | | | | | | | | | |

| Indicators | Flags* | Unit of Measure | Baseline | Baseline Year | Means of verification | Observations | 2013 | 2014 | 2015 | 2016 | EOP |
|--|--------|-----------------|-----------|---------------|--|--------------|------|------|------|------|----------|
| | | | | | | | | | | | |
| 5.1 Viviendas afectadas por inundaciones en las áreas de intervención de programa con un período de retorno de 10 años | | Viviendas | 30,000.00 | 2010 | Relevamiento de hogares luego de evento con periodo de retorno de diseño | | P | | | | 3,000.00 |
| | | | | | | | P(a) | | | | 3,000.00 |
| | A | | | | | | | | | | |
| | | | | | | | | | | | |

 RF - RF Indicator

 SI - Sector Indicator

 CI - Country Indicator

 PG - Pro-Gender

 PE - Pro-Ethnicity

Outputs: Annual Physical and Financial Progress

| Estudios y Fortalecimiento Institucional | | Physical Progress | | | Financial Progress | | |
|--|---------------------|-------------------|-----------|-----------|--------------------|---------------|----------------|
| Outputs | Unit of Measure | | 2015 | EOP | | 2015 | EOP |
| Proyectos de Ingeniería de detalle de obras hidrosanitarias y complementarias de las subcuencas faltantes elaborados | Proyectos | P | 11.00 | 16.00 | P | 7,410,742.00 | 12,110,742.00 |
| | | P(a) | 6.00 | 16.00 | P(a) | 6,410,742.00 | 12,110,742.00 |
| | | A | 1.00 | 3.00 | A | 232,542.00 | 732,542.00 |
| Sistema de Información Geográfico (SIG) operando | Sistema | P | 1.00 | 1.00 | P | 600,000.00 | 1,200,000.00 |
| | | P(a) | 0.50 | 1.00 | P(a) | 600,000.00 | 1,200,000.00 |
| | | A | 0.50 | 1.00 | A | 0.00 | 200,000.00 |
| Sistema de Instrumentación en la cuenca del RG diseñado, implementado y monitoreando | Sistema | P | 1.00 | 1.00 | P | 90,506.00 | 365,000.00 |
| | | P(a) | 0.75 | 1.00 | P(a) | 190,506.00 | 365,000.00 |
| | | A | 0.00 | 0.25 | A | 0.00 | 174,494.00 |
| Modelado del Régimen del RG operando | Modelo | P | 1.00 | 1.00 | P | 870,000.00 | 1,770,000.00 |
| | | P(a) | 1.00 | 1.00 | P(a) | 870,000.00 | 1,770,000.00 |
| | | A | 0.00 | 0.00 | A | 0.00 | 0.00 |
| Diseño de Plantas de Tratamiento de Aguas Residuales elaborado | Diseño | P | 1.00 | 1.00 | P | 12,118,204.00 | 16,651,082.00 |
| | | P(a) | 1.00 | 1.00 | P(a) | 6,784,082.00 | 16,651,082.00 |
| | | A | 0.00 | 0.00 | A | 0.00 | 867,000.00 |
| Cursos de Capacitación de la UEPSRG realizados | Personal Capacitado | P | 53.00 | 106.00 | P | 292,916.00 | 446,102.00 |
| | | P(a) | 30.00 | 106.00 | P(a) | 192,916.00 | 446,102.00 |
| | | A | 30.00 | 83.00 | A | 0.00 | 23,186.00 |
| Campaña institucional de promoción del proyecto diseñada | Campaña | P | 1.00 | 3.00 | P | 2,000,000.00 | 3,900,000.00 |
| | | P(a) | 1.00 | 3.00 | P(a) | 2,000,000.00 | 3,900,000.00 |
| | | A | 1.00 | 2.00 | A | 0.00 | 0.00 |
| Talleres de Capacitación y Equipamiento Comunitario y sensibilidad ambiental realizados | Participantes | P | 400.00 | 866.00 | P | 860,000.00 | 1,957,074.00 |
| | | P(a) | 200.00 | 866.00 | P(a) | 960,000.00 | 1,957,074.00 |
| | | A | 200.00 | 600.00 | A | 0.00 | 0.00 |
| Infraestructura en la cuenca del Río Guaire | | Physical Progress | | | Financial Progress | | |
| Outputs | Unit of Measure | | 2015 | EOP | | 2015 | EOP |
| Colectores construidos y/o rehabilitados | Metros | P | 24,178.00 | 63,627.00 | P | 22,000,000.00 | 32,000,000.00 |
| | | P(a) | 36,000.00 | 24,500.00 | P(a) | 10,101,000.00 | 132,000,000.00 |
| | | A | 4,700.00 | 6,050.00 | A | 42,310,132.00 | 49,209,132.00 |
| Estación de Bombeo en San Pedro terminada y operando | Estación | P | | 1.00 | P | 4,000,000.00 | 12,809,000.00 |
| | | P(a) | 0.25 | 1.00 | P(a) | 3,809,000.00 | 12,809,000.00 |
| | | A | 0.00 | 0.25 | A | 0.00 | 1,000,000.00 |
| Colectores Marginales del RG rehabilitados | Metros | P | 4,936.00 | 4,936.00 | P | 12,428,100.00 | 13,809,000.00 |
| | | P(a) | 2,500.00 | 4,936.00 | P(a) | 9,428,100.00 | 13,809,000.00 |
| | | A | 0.00 | 0.00 | A | 0.00 | 0.00 |
| Canales de drenaje del RG construidos y/o rehabilitados | Metros | P | 6,800.00 | 17,000.00 | P | 15,047,600.00 | 27,119,000.00 |
| | | P(a) | 0.00 | 17,000.00 | P(a) | 10,119,000.00 | 27,119,000.00 |
| | | A | 0.00 | 1,000.00 | A | 0.00 | 3,000,000.00 |
| Canales de drenaje de subcuencas construidos y/o rehabilitados | Metros | P | 4,363.00 | 11,187.00 | P | 16,771,410.00 | 27,654,480.00 |
| | | P(a) | 6,000.00 | 1,710.00 | P(a) | 10,771,410.00 | 27,654,480.00 |
| | | A | 150.00 | 324.00 | A | 3,612,424.00 | 10,219,812.00 |
| Colectores de Drenajes de Aguas de Lluvia (El Valle, Qda. Honda Maripérez y La Vega) construidos | Metros | P | 457.00 | 3,537.00 | P | 12,678,320.00 | 21,214,000.00 |
| | | P(a) | 1,557.00 | 3,537.00 | P(a) | 11,678,320.00 | 21,214,000.00 |
| | | A | 375.00 | 653.00 | A | 0.00 | 5,722,237.00 |

| | | | | | | | |
|--|--------|------|-------|-------|------|---------------|----------------|
| Número de Presas de retención de sedimentos y mitigación de riesgos (San Pedro, Qda. Honda Maripérez, Anauco, Caroata) terminadas y operando, Estructura de captación en Caroata y rehabilitación desarenador en La Vega | Presas | P | 5.50 | 13.50 | P | 52,717,878.00 | 111,570,725.00 |
| | | P(a) | 5.00 | 1.00 | P(a) | 46,506,634.00 | 11,570,725.00 |
| | | A | | 0.50 | A | 5,097,618.00 | 6,187,618.00 |
| | | | | | | | |
| Número de Obras de acondicionamiento, dotación y recuperación socio ambiental construidas | Obras | P | 11.00 | 15.00 | P | 30,101,808.00 | 37,701,808.00 |
| | | P(a) | 7.00 | 2.00 | P(a) | 20,101,808.00 | 37,701,808.00 |
| | | A | 2.00 | 2.00 | A | 0.00 | 0.00 |
| Administración y Equipamiento | | | | | | | |
| Sin Asignación Específica | | | | | | | |
| Costos Concurrentes | | | | | | | |

| Other Cost | | 2015 | Cost |
|--------------------------|------|------------------|------------------|
| Unidad Ejecutora | P | \$6,007,000.00 | \$11,700,000.00 |
| | P(a) | \$4,007,000.00 | \$11,700,000.00 |
| | A | \$3,295,121.00 | \$10,668,121.00 |
| Imprevistos | P | \$767,555.00 | \$6,800,000.00 |
| | P(a) | | \$6,800,000.00 |
| | A | | \$3,870,000.00 |
| Escalación de Precios | P | \$5,000,000.00 | \$8,500,000.00 |
| | P(a) | \$5,000,000.00 | \$8,500,000.00 |
| | A | \$0.00 | \$0.00 |
| Inspección y Supervisión | P | \$10,978,987.00 | \$19,721,987.00 |
| | P(a) | \$10,978,987.00 | \$19,721,987.00 |
| | A | \$0.00 | \$822,000.00 |
| Auditoría | P | \$133,333.00 | \$399,999.00 |
| | P(a) | \$200,000.00 | \$400,000.00 |
| | A | \$110,977.00 | \$110,977.00 |
| Monitoreo y Evaluación | P | \$200,000.00 | \$600,000.00 |
| | P(a) | \$200,000.00 | \$600,000.00 |
| | A | \$0.00 | \$200,000.00 |
| Total Cost | | 2015 | Total Cost |
| | P | \$213,074,359.00 | \$369,999,999.00 |
| | P(a) | \$160,909,505.00 | \$370,000,000.00 |
| | A | \$54,658,814.00 | \$93,007,119.00 |

Changes to the Matrix

| Section | Name | Type of Change | Reasons | Entered in the System | Agreed with Executing Agency |
|---------|--|----------------------------|---|-----------------------|------------------------------|
| Output | Número de Obras de acondicionamiento, dotación y recuperación socio ambiental construidas | Modify Physical P(a) value | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Output | Número de Presas de retención de sedimentos y mitigación de riesgos (San Pedro, Qda. Honda Maripérez, Anauco, Caroata) terminadas y operando, Estructura de captación en Caroata y rehabilitación desarenador en La Vega | Modify Physical P(a) value | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Output | Canales de drenaje de subcuencas construidos y/o rehabilitados | Modify Physical P(a) value | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |

| | | | | | |
|---------|---|-----------------------------|--|-----------|-----------|
| Output | Colectores construidos y/o rehabilitados | Modify Physical P(a) value | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Outcome | AS y AR interceptadas en las 12 subcuencas objeto del programa | Modify EOP P(a) | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Outcome | Comunidades concientizadas y con actitudes favorables en los aspectos hidrosanitarios y ambientales en las zonas de intervención del Programa | Modify EOP P(a) | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Outcome | Personal de la UEPSRG en cursos de mejora y actualización profesional | Modify EOP P(a) | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Outcome | Monitoreo sistematizado de la calidad de agua en la cuenca y subcuencas del RG | Modify EOP P(a) | Se ajustaron las metas EOP para reflejar adecuadamente los avances de vigencias anteriores y la expectativa de logro del período en curso | 3/15/2016 | 3/14/2016 |
| Output | Colectores construidos y/o rehabilitados | Modify Financial P(a) value | Fue necesario incrementar la inversión esperada de este producto debido principalmente al incremento en los costos de las obras producto de una escalada inflacionaria en el país con un tipo de cambio fijo usado para los proyectos con financiamiento multilateral, lo cual incrementa el equivalente en dólares de las obras contratadas en moneda local. En este sentido se transfirió del producto presas de retención de sedimentos y mitigación de riesgos. | 3/7/2016 | 3/7/2016 |

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.