Border Environment Cooperation Commission Wastewater Collection Improvements Project Rio Grande City, Texas

	1. General			
1.a Project Type				
Project Name:	Rio Grande City Wastewater Collection Improvements Project.			
Project Sector:	Domestic Water and Wastewater Hookups.			
1.b Project Category				
Category:	Community Environmental Infrastructure Projects – Community- wide Impact.			
1.c Project Location	and Community Profile			
Community :	Rio Grande City, Texas, U.S.			
Location:	The project is located in Rio Grande City, in the southeastern part of the State of Texas, United States. Rio Grande City borders San Roman, Texas to the north, Camargo, Mexico to the south, Los Villareales, Texas to the west, and Las Lomas, Texas to the East.			
Location in the Border:	The project is located contiguous to the U.S Mexico border.			
Figure:	Figure 1.1 shows the location of Rio Grande City, Texas.			
Coahulla	de Zaragoza Nuevo León Tamaulipas			

Figure 1.1 Rio Grande City, Texas, U.S.

Demographics	
Current Population:	11,923 residents (2000 U.S. Census Bureau)
Growth Rate:	22.2 % (from 2000-2009)
Economically Active Population:	11.9%
Median Household Income:	\$ 19,853 USD (2000 U.S. Census Bureau)
Predominant Economic Activity:	Education, health and social services, retail trade and construction.
Poverty Rate:	40.4%, High
Infrastructure and Environmental	Services
Community:	Rio Grande City
Water Distribution System ¹	
Coverage:	100 %
Domestic hookups:	4,925
Commercial hookups:	520
Industrial hookups:	1
Water supply source:	Rio Grande River

Water Treatment System²

WTP(s) and treatment technologies:

Name	Technology	Capacity (mgd)
Rio Grande City Municipal Water Treatment Plant	Conventional Treatment Processes consisting of chloramines disinfection, rapid mix, flocculation, sedimentation, filtration, plate settlers and sludge removal equipment.	5.0

Wastewater Collection System³

Coverage:	80 %
Domestic connections:	3,973
Commercial connections:	397
Industrial connections:	1

Wastewater Treatment

System⁴

Coverage:

100 % of collected wastewater is treated

 ¹ Source: Rio Grande City, July 2010
 ² Source: Rio Grande City, July 2010
 ³ Source: Rio Grande City, July 2010
 ⁴ Source: Rio Grande City, July 2010

WWTP (s) and treatment technologies:

Final disposal:

Name	Technology	Capacity (mgd)	Discharge Point	Quality BOD/TSS
City of Rio Grande Municipal Wastewater Treatment Plant	Treatment process consists of grit removal, oxidation ditches, final clarifiers, a chlorine contact chamber, and sludge drying beds.	1.5	Rio Grande River	20/20

 Sludge disposal:
 Disposed of by Allied Waste Company

 Solid waste⁵
 100 %

Sanitary landfill

MAY 17, 2011

Components:	The project includes the following	g components:
	Wastewater Collection Construction of wastewater collec area.	tion system for unserved
	- Installation of 900 linear fee wastewater collection line	t of 8" diameter PVC
	- Installation of 580 linear fee wastewater collection line	t of 12" diameter PVC
	- Installation of 6 manholes	
	- Installation of twenty seven wastewater laterals	4" diameter PVC
	- Decommission of 27 failing	septic tanks
	- Reconstruction of existing st	treet section
Benefited Population:	Project	Population
20101100 1 0 0 0101010	Wastewater Collection	111 residents
No. of Connections Served:	27 new connections	
Project Cost:	\$448,582.00 USD	
Project Map:	The following figure shows the project.	location of the proposed
	RIO GRANDE GITY, TEXAS 2 Location of Water Street Subdivision.	MATER TREE
C C		

1.f Project Justificati	on
Project justification:	 Residents in the project area currently lack wastewater collection services and thus wastewater is discharged to latrines, cesspools, failing septic tanks, open drains. This condition poses risks to human health due to the potential contact with raw wastewater and organisms that are vectors for associated diseases. In addition, this may present risks for contamination of area soils, as well as surface and underground water bodies. The proposed project will provide adequate service to residents who currently lack wastewater collection in the area, thus benefiting approximately 111 residents. Wastewater collection service coverage will be increased with the installation of 27 residential connections. The risks for transmission of waterborne diseases, as well as those for environmental pollution, will be reduced by the implementation of this project.
Urgency of the project or consequences of no action:	 The no action alternative for the project jeopardizes the health of area residents by exposing them to contact with untreated wastewater. This situation poses the risk of contracting waterborne diseases, such as gastrointestinal disorders. Section 2.b of the Human Health and Environment criterion presents health statistics for the project area. Poorly designed, constructed and maintained septic systems would continue to overflow and outflow, exacerbating the risks for surface water contamination and leading to possible groundwater contamination as well as soil contamination.
Prioritization Process Category:	Prioritization Process BEIF FY 09/10, Category 1

None.

Criterion Summary:

The project complies with BECC's General Criterion.

2. Human Health and Environment

2.a Compliance with Applicable Environmental Laws and Regulations			
Environmental and Human Health conditions addressed	The project will address the following needs:		
by the proposed project:	- Residents in the project area currently lack wastewater collection services and thus wastewater is discharged to latrines, cesspools, failing septic tanks, open drains.		
	- The lack of this service poses risks to human health due to the potential contact with untreated wastewater and organisms that are vectors for associated diseases. In addition, this may present risks for contamination of area soils, as well as surface and underground water bodies.		
Human Health	As shown in the Health Statistics in the section below, there is an important number of cases per year of water borne diseases in Starr County; such as amebiasis, intestinal illnesses, typhoid fever, hepatitis-A, campylobacteriosis, cryptosporidiosis, dengue, salmonellosis, etc. It is expected that the project implementation will contribute to reduce the number of cases of the waterborne diseases mentioned above.		
Environmental	Failing septic tanks currently within Rio Grande City do not provide adequate treatment and disposal for wastewater generated in the area. Further, some residents of the project area discharge untreated wastewater directly into the environment (e.g., to streets and vacant land). The lack of wastewater collection and treatment in the project areas is a potential source of disease-causing organisms and soil, surface and groundwater contamination ⁷ .		
	Untreated wastewater runoffs could potentially reach the Rio Grande River when conditions of overflow appear, contributing to the deterioration of the water quality and riparian habitat of this important binational water body. The following are the environmental conditions addressed by the project:		
	Wastewater Connections without collection or treatment: 27 Estimated flow of uncollected wastewater discharges: 0.011 MGD		
	Untreated wastewater discharges contain elevated suspended solids and biodegradable organics which threaten the environment. Suspended Solids can lead to the development		

⁷AMEC, "Transboundary Environmental Information Document Improvements to Wastewater Collection and Treatment Systems Juárez Municipality, Chihuahua, Mexico", BECC, November 2008.

	of sludge deposits and anaerobic conditions when untreated wastewater is discharged in the aquatic environment ⁸ .
	Suspended solids are an important cause of water quality deterioration leading to aesthetic issues, higher costs of water treatment, and serious ecological degradation of aquatic environments. ⁹
	Biodegradable organics are measured most commonly in terms of BOD_5 (biochemical oxygen demand). If discharged untreated to the environment, their biological stabilization can lead to the depletion of natural oxygen resources and to the development of septic conditions ¹⁰ .
Environmental and Human H	ealth Benefits the Project Is Expected to Achieve:
Human Health	According to the "World Health Organization Water, Sanitation and Hygiene Links to Health FACTS AND FIGURES – *updated November 2004", sanitation projects can have the following benefits to human health.
	• Improved sanitation reduces diarrhea morbidity by 32%.
	• Access to safe water and sanitation facilities and better hygiene practice can reduce morbidity from ascariasis by 29%.
	Project implementation is expected to contribute to a reduction of the number of cases of waterborne diseases in Rio Grande City.
Environmental	By eliminating the use of latrines, septic tanks, and open drains, the proposed project will contribute to reduce the potential for groundwater and surface water contamination resulting from the inappropriate disposal of untreated wastewater.
The project meets the	The project complies with:
following applicable environmental laws and regulations:	 Texas Administrative Code, Title 30, Part 1, Chapter 217: Design Criteria for Domestic Wastewater systems.
	In addition, coordination and approval of the following agencies was required for the development of the project:
	- US Army Corps of Engineers
	- USDA National Resource Conservation Service
	- US Environmental Protection Agency

⁸ Metcalf & Eddy Inc, "Wastewater Engineering: Treatment, Disposal, Reuse", 3rd ed., McGraw Hill, New York,

¹991. ⁹ G.S Bilottal and R.E Brazier, "Understanding the influence of suspended solids on water quality and aquatic biota", Water Research, Volume 42, Issue 12, June 2008, Pages 2849-2861¹⁰ Metcalf & Eddy Inc, "Wastewater Engineering: Treatment, Disposal, Reuse", 3rd ed., McGraw Hill, New York,

^{1991.}

-	International	Boundary	and Water	Commission ((IBWC))
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- Federal Emergency Management Agency/Local Floodplain Administrator
- US Department of the Interior-Fish and Wildlife Service and National Park Service
- Texas Historical Commission
- Texas Parks and Wildlife Department
- Texas Commission on Environmental Quality
- Coastal Coordination Council
- Border Environment Cooperation Commission
- Starr County Floodplain Administrator
- Rio Grande City Floodplain Administrator

2.b Human Health and Environmental Impacts

Human Health Impacts	
Direct and Indirect Benefits:	- The project will prevent the contamination of water supply sources for human consumption.
	- The project will reduce the risk of transmission of waterborne diseases resulting from the potential contact with raw wastewater and vector organisms.
	- The project will improve the quality of life of the area residents by providing access to wastewater collection services.
Health statistics:	Waterborne diseases are caused by pathogenic microorganisms that are directly transmitted as a result of inadequate wastewater disposal practices which may result in human contact with raw wastewater and unsafe water supplies. Waterborne diseases may be caused by protozoan, viruses, bacteria, and intestinal parasites.
	An individual may become ill after drinking water that has been contaminated with these organisms; eating uncooked foods that have been in contact with contaminated water; or through poor hygiene habits that contribute to the dissemination of diseases by direct or indirect human contact.
	The following table shows waterborne disease statistics for Starr County. This project will contribute to enhance public health in the area.

Number of Cases Reported					
Disease	2005	2006	2007	2008	2009*
Amebiasis	1	0	0	2	0
Botulism, wound	0	0	0	0	0
Campylobacteriosis	0	1	3	5	4
Cryptosporidiosis	0	1	0	0	0
Cyclosporiasis	0	0	0	0	0
Dengue	0	0	1**	0	0
Escherichia coli, enterohemorrhagic	0	0	0	0	0
Hepatitis A (acute)	1	0	3	0	0
Malaria	0	0	0	0	0
Poliomyelitis, acute paralytic	0	0	0	0	0
Salmonellosis	1	7	20	20	19
Typhoid Fever	0	0	0	0	0
Vibrio infection, including cholera	0	0	0	0	0
West Nile fever	0	0	0	0	0
West Nile neuroinvasive disease	0	0	0	0	0

Table 2.1 – Starr County Health Statistics

* Through October 23, 2009

** Classified as an imported case, with exposure in Mexico

Source: Rio Grande City

Environmental Impacts

Direct and indirect benefits: - Potential contamination of surface and underground water bodies will be reduced. - Potential soil contamination will be reduced. - Septic systems and cesspools will be decommissioned making the surroundings safer from risks of untreated wastewater exposure. - The project will have a positive impact in air, water and biological resources, as wells as socioeconomic and municipal services, by reducing the direct discharge of wastewater from septic systems into yards, drainage ditches, and groundwater. The implementation of this project will help eliminate **Environmental impacts:** wastewater discharges to latrines or open drains, positively impacting ground and surface water bodies. Wastewater produced in the Water Street subdivision will be collected and treated at the Rio Grande City Municipal WWTP, improving the quality of groundwater and surface waters. Minor environmental impacts are anticipated from the development of the different project phases, provided the project tasks are implemented in accordance with the

	specifications of the Environmental Information Document (EID) and taking into account the mitigation measures established therein.
	Potential impacts include the following:
	Construction Phase
	- Increase of airborne dust would be expected.
	- Construction machinery emissions.
	- Traffic disruption would be limited to the area under construction. Temporary roadway blockages, presence of workers in the area.
Mitigation measures:	Mitigation measures established in the EID include:
	- Ensure that all requirements of the US COE "Nationwide Permit 12" and TCEQ requirements are complied with during the construction of the project.
	- Efforts to reduce dust, including watering of the contributing areas, would be required as part of the construction phase operations. This short-term impact would be expected to be negligible to moderate.
	- Proper vehicle maintenance to reduce emissions
	- Safety precautions will be taken including traffic control measures and this will be performed according to the Uniform Traffic Control guidelines for construction operation. Traffic Control measures would prevent potentially hazardous situations. Short-term impacts to area traffic and safety would be minimal and no long- term impacts are expected.
Impacts:	The environmental impact resulting from the implementation of the proposed project will be positive overall, inasmuch as:
	- The project will increase wastewater collection coverage, reducing environmental contamination and improving the quality of life of area residents by curtailing potential health hazards.
Transboundary Impacts	Due to the proximity of Rio Grande City to various communities in Starr County and nearby border communities in Mexico, there are frequent border crossings between these communities. The construction of wastewater collection lines in currently unserved areas will have a direct positive impact on the health of residents of the entire region, since these actions will reduce the risk for waterborne diseases caused by inappropriate wastewater management practices. Furthermore, the project's implementation will reduce the potential for contamination of shared water bodies such as Rio Grande River.

Formal Environmental Clearance		
Environmental Clearance:	Pursuant to the U.S. National Environmental Policy Act (NEPA), an Environmental Information Document (EID) was developed and submitted for consideration to the EPA.	
	A Finding of No Significant Impact (FONSI) was issued by U.S. Environmental Protection Agency dated November 6, 2006 for the construction of a 2006 Rio Grande City, Rio Water Supply Corporation (WSC), El Tanque WSC, and El Sauz WSC Water and Wastewater Improvements Project. The FONSI was validated by EPA to assure that the current Rio Grande City Project was covered under the original FONSI/Environmental Assessment issued in November 2006. EPA approval was given on November 4, 2009.	
Results Measurement Project Matrix Summary		
Results:		
1. Provide Access to Wastewater Collection	Indicators and Targets Increase wastewater collection service (Target = 27 new connections)	
	Baseline Value Connections with wastewater collection service= 0	
2. Reduction of untreated WW discharges to water bodies on other	Indicators and Targets Eliminate untreated wastewater discharges (Target= 0.011 MGD)	
(Protection of natural resources)	Baseline Value Eliminated wastewater discharges = 0 MGD	
Outputs:	 Goods and services that the project will deliver: Domestic wastewater connections: 27 Construction of 900 lf, 8" diameter wastewater pipeline Construction of 580 lf, 12" diameter wastewater pipeline Installation of 6 manholes Installation of 27 domestic connections, 4" wastewater laterals Decommission of 27 failing septic tanks Reconstruction of existing street section 	

None.

Criterion Summary:

The project complies with BECC's Human Health and Environmental Criterion.

3. Technical Feasibility

3.a Technical Aspects	
	The proposed project consists of providing first time wastewater collection service to Water Street subdivision, currently relying on failing septic tanks. The project will require the construction of wastewater collection system of approximately 900 linear feet of 8-inch and 580 linear feet of 12-inch PVC sanitary sewer gravity lines, installation of 6 manholes, installation of 27 new domestic connections of 4" wastewater laterals, decommission of 27 failing septic tanks and reconstruction of existing street section. The project will benefit approximately 111 residents.
Project Development Requ	uirements
Design criteria:	The project final design was developed following the guidelines established by EPA, Rio Grande City, and TCEQ, for the construction of this type of infrastructure. The final design was reviewed and approved by EPA, BECC, NADB and Rio Grande City.
	Additionally, the construction to be accomplished is not expected to impact protected areas or ecological reserves. The existing WWTP is currently at 57% capacity. The inflow to the existing WWTP as a result from the project will be minimal and would increase the percent capacity by less than 1%.
Components	The project includes the following components:
	<u>Wastewater Collection</u> Construction of wastewater collection system for unserved area.
	- Installation of 900 linear feet of 8" PVC wastewater collection line
	- Installation of 580 linear feet of 12" PVC wastewater collection line
	- Installation of 6 manholes
	- Installation of 27 new domestic connections of 4" PVC wastewater laterals
	- Decommission of 27 failing septic tanks
	- Reconstruction of existing street section
	Design criteria is as follows:
	- Texas Administrative Code, Title 30, Part 1, Chapter 217: Design Criteria for Domestic Wastewater systems
	- To receive sewer service, the project sponsor will require decommission of the existing on-site systems.

	The final design includes the implementation of green building practices as part of the technical construction specifications. The final design evaluated system layouts, which minimized energy-intension operations. Layouts were evaluated to minimize the number of lift stations and excessive deep lines. It also maximized the use of the natural topography.
	Selection of gravity sewer collection was based on favorable natural topography and existing infrastructure, and evaluated means to improve energy efficiency.
	The project was designed to eliminate nuisance conditions and inefficient operations as well as to increase the useful life of the infrastructure.
	Appropriate capacity needs were determined to eliminate the risk of overbuilding. Capacity of the system was designed for existing population and reasonable future growth. Alternative materials and equipment options were evaluated to be environmentally preferable or achieve greater operation efficiencies.
	Final design minimized the requirements for pavement replacement, landscape disturbance, and intrusive construction practices by placing gravity lines in existing, previously disturbed road right of ways, or alleys.
Appropriate Technology	
Assessment of Alternatives:	 As part of the project development, various alternatives were evaluated based on the following parameters: Constructability Operation and maintenance cost Ease of operation and system reliability Compliance with current regulations Use of sustainable materials
	Wastewater Collection
	<u>Alternative 1 – No Action</u> . This option would leave the 111 residents of Rio Grande City on septic systems and would not upgrade the existing collection system to handle projected flows. Alternative 1 is not a viable alternative because the citizens in Rio Grande City have expressed strong concern for risks associated with current conditions and this alternative will not allow the city to meet collection system requirements in the future as the population increases.

This option adds 111 residents to the Rio Grande City collection system. The subdivision can be served with gravity lines connecting to the city's existing gravity system. Water Street subdivision needs the construction of approximately 900 If of 8" and 580 If of 12" PVC sewer lines, and 27 new domestic wastewater laterals of 4" in diameter. Also, the installation of 6 manholes will be required in addition to the decommission of 27 failing septic tanks and reconstruction of street section.

Land Acquisition and Right-of-Way Requirements

Requirements: Wastewater collection system will be installed on existing municipal rights-of-way and easements. The project does not require the acquisition of additional land.

Project Tasks and Timelines 2011 2012 Project J J D JFM J J F Μ S 0 Ν JA S A Μ A Α Μ 0 Ν D WATER STREET Final Design **Bidding Process** Construction **Construction Start Date:** October 2011 **Construction Timeframe:** Ten months 3.b Management and Operation **Project Management Resources:** The management, construction, and operation and maintenance of the proposed project will be responsibility of the project sponsor that has the necessary resources and staff for this purpose. **Operation and Maintenance Organization:** The project sponsor serves approximately 5,446 water hookups and 4,371 sewage connections, and has an appropriate operation and maintenance program in place.



None.

Criterion Summary:

The project complies with BECC's Technical Feasibility Criterion.

4. Financial Feasibility

4.a Proof of Financial Feasibility

Financial Conditions				
Information submitted:	Rio Gran	de City 2005-200	9 financial statement	s.
Financial Analysis Results:	Project to	be wholly funde	d with BEIF as reque	sted by EPA.
Project Costs, Financial Struc	cture and	l other plans fo	r Capital Investme	ent
Item:	Wastewa City, Tex	ter Collection Imp as.	provements Project in	Rio Grande
Final Cost:	US\$ 448,	,582		
Financial Structure:				
Source		Туре	Amount (USD)	%
NADB-BEIF-Construction Assistance		Grant	\$448,582	100
Total:			\$448,582	100
Primary Source of Income				
Source of Income:	Rio Grand	e City utility reve	nues.	
4.b Legal Considerations				
Project Management:	The proje Grande C implement	ect will be manage (ity, which has the nt the Project.	ed directly by the City e legal and technical c	y of Rio capacity to

Pending Activities:

None.

Criterion Summary:

The project meets all applicable financial feasibility criteria.

5. Public Participation

5.a Community Enviro Impact	onmental II	nfrastructure– Community-wide	
Local Steering Committee			
Date of Establishment:	The Local St 25, 2010 at a	eering Committee was formally installed on May meeting held in City Hall.	
Local Steering Committee Members:	During this meeting, the Local Steering Committee was formed and comprised of the following members:		
	President: Secretary: Treasurer: Alternates:	Joe Smedley Alicia Hinojosa Jose Hinojosa Dania L. Canales Elisa Y. Beas Blanca Juarez Ruben Chapa Mike Hernandez	
Date of Approval of Public Participation Plan:	The Compred Local Steerin October 5, 20	nensive Public Participation Plan developed by the ng Committee was approved by the BECC on 010.	
Public Access to Informati	on		
Public Notice:	The projec information v	t's environmental, technical and financial was made available to the public for review.	
	The Local project spor community a - Flyers - News - Preser	Steering Committee, with assistance from the nsor, prepared the following to inform the bout the project: s paper adds ntations	
Additional Outreach	• Development and dissemination of a fact sheet		
Acuviues:	• Conducted surveys to document comments and support to the project		
	• Meetings	with local organizations	
Public Meetings:	A 30-day pu on January 28	blic meeting notice was published in the Monitor 8, 2011.	
	A public mee environmenta The meeting local resident	eting was conducted to inform the public about the al, technical, and financial aspects of the project. was held on March 1 st , 2010. Approximately 8 as attended the meeting held by the Local Steering	

	Committee and Rio Grande City representatives. 6 exit surveys were completed, demonstrating 100 % understanding and support for the project.	
Final Public Participation Report		
Final report:	The Local Steering Committee and the Rio Grande City developed the Final Public Participation Report demonstrating that the proposed objectives fully met BECC's Criteria.	
Post-Certification Public Participation Efforts		
Post-certification activities:	The City, in coordination with Local the Steering Committee, provided a general description of public participation activities that may be carried out after the project has been certified supporting its implementation and long-term feasibility.	

None.

Criterion Summary:

The project complies with BECC's Public Participation Criterion.

6. Sustainable Development

6.a Institutional and Human Capacity Building	
Project Operation and Maintenance:	 The project sponsor is the responsible institution for the operation and maintenance of: Wastewater collection system Wastewater treatment system Water distribution system Water treatment system Storm water drainage system
	The project sponsor has presented the necessary institutional and human capacity to operate and provide maintenance to these systems.
Human and Institutional Capacity Building:	Several actions within the scope of the project that contribute to the institutional and human capacity building of the Rio Grande City are:
	- Provide and improve wastewater collection service in a continuous, efficient, and cost-effective approach, and compliant with applicable local, state, and federal regulations.
	- Provide training and continuing education to operating staff throughout its different areas, in order to carry out adequate maintenance to the new and existing infrastructure and offer essential services that meet the needs of the community.
	- Implement a rate structure to make the project affordable and sustainable.
Additional Plans or Programs:	Starr County has an educational program that aims to promote conservation and the efficient use of water among the community.
6.b Conformance with and Regulations and C	Applicable Local, State, and Regional Laws Conservation and Development Plans.
Local and Regional Plans Addressed by the Project:	The proposed project concurs with the plans and actions described in the following documents:
	- The Rio Grande City Engineering Feasibility Report sets the need to develop basic sanitary infrastructure in Rio Grande City, such as wastewater collection service.
	- The project complies with the U.SMexico Border 2012 Environmental Program by meeting Goal 1 (Reduce water contamination) and Objectives 1 (promoting an increase in the number of household connections to

wastewater collection and treatment services) and 4 (promoting improved water utility efficiency). One of

	the program's guiding principles is to reduce major risks to public health and conserving and restoring the natural environment.
Laws and Regulations Met by the Project:	The project complies with State regulations applicable to wastewater collection.
Impacts to Neighboring Communities in Mexico:	The project implementation will prevent untreated wastewater discharges to the binational water body of Rio Bravo from infiltrating into the groundwater which is shared with Mexico.
6.c Natural Resources	Conservation
	- The project implementation will reduce environmental deterioration by expanding the wastewater collection system and providing the necessary means to serve the project area.
	- Wastewater will be collected and conveyed to the existing WWTP to improve the quality of wastewater to be discharged according to applicable environmental regulations and standards.
	- The project will reduce potential risks to human health and contamination of aquifers and other water bodies as a result of raw wastewater discharges.
	- The final design includes green building practices in the technical construction specifications.
6.d Community Develo	opment
	• The project implementation is crucial for the community development. The tasks proposed by the project will contribute to the appropriate wastewater collection which will reduce the proliferation of water-borne and arboviral diseases.
	• The construction of the wastewater collection system will promote community development, as it will reduce contamination in the Rio Grande City and improve the quality of life for local residents.
	• Treated wastewater will be available for other uses, such as, agricultural and non-drinking public purposes.
	• The project will help the community increase its coverage of wastewater collection, which will promote the development of the community, since it will reduce contamination on the streets caused by potential wastewater runoff. In addition, it supports other infrastructure development, such as street paving in areas that currently lack this service.

None.

Criterion Summary:

The project complies with BECC's Sustainable Development Criterion.

Available Documents (only available in English):

- City of Rio Grande City Water and Wastewater Improvements Project Facility Plan, CDM, May, 2006.
- City of Rio Grande City Water and Wastewater Infrastructure Improvements Project Environmental Information Document, May 2006.
- Engineering Feasibility Report, Melden & Hunt, Inc., August 2009.
- Finding of No Significant Impact, US EPA, November 6, 2006.
- Final Engineering Design Report City of Rio Grande City, Texas Wastewater System Improvements Project, Melden & Hunt, Inc., March 2010.
- Rio Grande City Final Design
- Public Participation Plan Rio Grande City Wastewater Collection System
- Final Public Participation Report