

EXHIBIT D

PVC 1-14 Summary of Project by BECC



Border Environment Cooperation Commission

Palo Verde Wastewater Collection and Treatment (Palo Verde, CA)

Summary of the Project

Project Name: Palo Verde Wastewater Collection and Treatment

Benefited Population/Connections: 420 inhabitants/168 residential connections

Estimated Construction Cost¹: \$ 2,540,000 USD

Project Description:

The project consists of the construction of wastewater collection and treatment infrastructure. The project will connect 168 households to wastewater services, benefitting an estimated population of 420 inhabitants. The project requires an alternative analysis for treated wastewater discharges.

The estimated cost does not account for the cost of the effluent discharge component. The scope of the project and final cost will be updated once the final designs are completed.

The project sponsor shall incorporate an appropriate pretreatment program. In addition, the project shall incorporate green building practices, to the extent feasible, to be developed in coordination with BECC and EPA.

Conditions/problems supporting Category 2:

Households in the town of Palo Verde currently rely on failing septic systems for their wastewater disposal needs. The septic systems have insufficient setback distances of 50-100 feet from adjacent surface water with a high water table of approximately 8-10 feet. Complaint status reports documented surface pooling in the project area. A field visit confirmed that there are houses along the Palo Verde Outfall Drain and Lagoon, which is listed as an impaired water body for DDT and Pathogens.

According to a study by the RWQCB (Bacterial Indicators TDML), failing septic systems from Palo Verde represent nonpoint sources that contribute fecal coliform to receiving water bodies through surface and subsurface flows. A draft resolution of the RWQCB amending the Colorado River Basin Water Quality control plan to establish bacteria TDML states the following "Water Quality objectives are not

¹ Construction Cost (in 2008 US\$) as presented in the Project Application and/or project review & data verification process.

The information presented in this summary reflects the most current project information and does not preclude supplemental information requirements, additional project development tasks, or modifications to the schedule or project scope, as required to maintain program eligibility and/or to achieve certification and financing approval.



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being met in Palo Verde Outfall Drain because natural background source and indirect discharges of bacteria-laden agricultural tile water and failing septic system contribute pathogens to the Palo Verde outfall drain and adversely impact the beneficial uses.”

Existing studies:

- **RWQCB Study “Bacterial Indicator TDML for Palo Verde Outfall Drain”**

Project Development Needs:

- **NEPA process and FNSI**
- **Facility Plan**
- **Final Design of the wastewater collection system**
- **Review of Pretreatment Program**
- **Financial Analysis Process**
- **Public Participation Process**

Possible Obstacles:

- **At this time, no obstacles have been identified for this project**

Projects development time and estimated certification date:

- **Development time is about 24 months**
- **Estimated certification date is June 2011**

The information presented in this summary reflects the most current project information and does not preclude supplemental information requirements, additional project development tasks, or modifications to the schedule or project scope, as required to maintain program eligibility and/or to achieve certification and financing approval.

BORDER ENVIRONMENT COOPERATION COMMISSION

EPA Region 9
FY09-10 BEIF/PDAP PRIORITIZATION PROCESS
PRIORITIZATION FOR DRINKING WATER AND WASTEWATER
INFRASTRUCTURE PROJECTS

EPA Region 9 PROJECT APPLICATION

For Official Use Only:

Date Received by BECC:

BECC Log Number:

The Environmental Protection Agency (EPA) Border Infrastructure Program supports both the Border Environment Infrastructure Fund (BEIF), administered by the North American Development Bank (NADB), and the Project Development Assistance Program (PDAP), administered by the Border Environment Cooperation Commission (BECC). The purpose of the BEIF/PDAP program is to identify and fund drinking water and wastewater infrastructure projects, which will address the most urgent needs and the most severe public health and environmental conditions existing in the border region, defined as 100 kilometers north and south of the U.S.-Mexico border. Projects are selected for BEIF/PDAP funding through a prioritization process established to help accomplish EPA's environmental and public health strategic goals for the Border region of (1) protecting the health of people in the U.S.-Mexico border area by increasing the number of people in the region with access to potable water and wastewater collection and treatment systems, and (2) achieving water quality standards currently being exceeded in shared and transboundary waters. The information provided in this Project Application will be evaluated for the purpose of prioritizing projects for available BEIF/PDAP funding resources.

The project proposed for BEIF/PDAP funding shall complete project development activities including planning, environmental clearance, final design and meet the requirements for certification, including a proposed financial structure for the project, within 2 years of receiving notification of project selection. Projects should be prepared to start utilizing other funding sources to complement BEIF grant funds upon certification. The project must be able to complete construction within a 3 year period after signing a NADB sub-grant agreement for construction funding. In addition, the construction cost of any project shall not exceed US\$30 million and the BEIF contribution for any project shall be based on the NADB affordability analysis but cannot exceed US\$8 million. These time and cost/funding requirements should be considered when defining the project proposed in this application.

A Project Application shall be completed for each independent project, defined as a mutually exclusive construction activity that can be funded, constructed, and fully functional independent of another project. The project must be intended to serve an existing population and shall not be developed to provide service to future populations or to induce growth. Multiple Project Applications may be submitted by a project sponsor.

Documentation, as specified in this application and in the FY09-10 Project Application Instructions, shall be submitted with your application. Each application packet submitted shall include an original and three (3) copies (paper or electronic format) of the Application and all related documentation. Application packets should be received at the BECC offices no later than 5 p.m. on Wednesday, October 15, 2008. Applications received after that date will not be considered.

SECTION A
PROJECT DESCRIPTION

1. Project Name: **PALO VERDE WATER DISTRICT SETIC REPLACEMENT**

2. Is the project located within Border Region (100 km (62 miles) from the border)? YES NO

3. Mark **only one project type** and the construction type.

Project Type		Construction Type	
Drinking Water Distribution <input type="checkbox"/>	Drinking Water <input type="checkbox"/>	New Infrastructure <input checked="" type="checkbox"/>	
Drinking Water Treatment <input type="checkbox"/>	Distribution & Treatment <input type="checkbox"/>	Rehabilitation <input checked="" type="checkbox"/>	
Wastewater Collection <input type="checkbox"/>	Wastewater Collection & <input type="checkbox"/>		
Wastewater Treatment <input type="checkbox"/>	Treatment <input type="checkbox"/>		

Each application shall be limited to one project type. If a project is inter-related with another project, an application shall be submitted for each individual project, water or wastewater, and the justification for combining the applications shall be noted in Section D, Question 9, of this application.

"New infrastructure" is the construction of new facilities or distribution/collection system; whereas, "rehabilitation" is the repair, replacement or improvement of existing infrastructure.