

Project History Form

Date	November 11, 2002	Project Manager	
Project Title	Municipal Water Treatment Plant (WTP) Expansion		
PH Classification	Water Supply	Graphics available?	Color photographs of current WTP
Client Name	Border Environment Cooperation Commission (BECC)		
Sadat Fees	US\$ 10,000.00		
Project Cost	Estimated project cost: \$4,985,000 (also including refurbishing of WWTP)		
Project Location	City of Weslaco, Hidalgo County, Texas		
Completion Date (state estimated or actual)	Fall 2004	SII Role (Prime, sub, jv)	Technical assistance in the preparation of Rapid Assessment Process (RAP) reports.
Services Provided (brief list)	<ul style="list-style-type: none"> Review and presentation of existing conditions providing a snapshot of the general technical, economic and financial aspects of the current conditions that affect the proposed project. The information included, but was not limited to the following areas of the proposed project: general aspects, environmental and human health indicators, baseline conditions for service indicators, technical aspects, financial and commercial service aspects, sustainable development-minimum criteria, identification of technical assistance needs, schedule of tasks from planning through certification and design, and attachments (minutes of the meeting with project's sponsor, photographic report, regional plan with the location of the project components, existing reports and studies, and baseline conditions). 		
Project Narrative What events led to the project? Why were we hired? What was the site condition when we arrived? Etc.)	<ul style="list-style-type: none"> The B.E.C.C. is a bi-lateral organization, which was created in 1993 under the North American Free Trade Agreement between the USA and Mexico, and its role is to identify, support and certify environmental infrastructure projects along the border area before they are considered for financing by the North American Development Bank (N.A.D.B.) or other funding agencies. <p>Back in December of 2001, and as the result of a highly competitive process which involved the review of approximately 70 proposals from US environmental firms, the Border Environment Cooperation Commission (B.E.C.C.) selected SADAT INTERNATIONAL, INC. (SII) as one of their SENIOR EXPERTS, along with two other American companies, to assist them with project development and assessment.</p> <p>The primary goal of the BECC is to help preserve, protect, and enhance the environment of the border region in order to advance the well being of the people of the United States and Mexico.</p> <p>(Explain role of SII with BECC and the proposed project. (SEE ABOVE) Also note that we use SII but project was with SII)</p> <p>The City of Weslaco's water treatment plant (WTP) is rated at a capacity of 7.5 million gallons per day (MGD) and is permitted by the Texas Commission on Environment Quality (TCEQ) ID No. 1080011. It serves approximately a population of 26, 935. The WTP was originally constructed in 1945, with updated phases, the latest phase dating back to 1983. Raw water is obtained from Hidalgo County Irrigation District No. 9 via an above ground canal that flows to the City's raw water reservoir, which has a capacity of 52 million gallons. Water is pumped from the reservoir to the treatment train, which consists of (1) rapid mix chamber, (2) settling basins, (2) clarifiers, (8) filters, (2) clear wells with storage capacity of 1.085 million gallons, (7) pumps, and (3) elevated water storage tanks.</p>		

	<p>The expansion of the WTP is necessary to comply with TCEQ permit and the Texas Administrative Code (291.93), which requires the City to initiate planning for expansion of the water treatment plant when the plant starts reaching 85 % of its capacity. At the present time studies performed by the City's engineer showed that the existing WTP reaches 75 % to 95 % of its capacity during the summer months.</p>
<p>Approach</p> <p>What did SII do to solve the client's problem? What methods or techniques were used? How large was the facility/site? How much money did we save the client? What new technologies did we use? What contaminants were identified? How many tons of material were disposed of?</p>	<p>Through the Rapid Assessment Process (RAP), the SII was able to complete a RAP Report for the proposed project and related tasks. SII evaluated all submitted information for the preparation of the RAP Report. The RAP Report will enable the BECC to properly evaluate the proposed project and it will assist the City in pursuing funding assistance from potential funding sources, such as the North American Development Bank, Texas Water Development Board, United States Department of Agriculture, etc. The Report will further provide information necessary for Project Certification granted by the BECC and will assist coordinating efforts of the different participants.</p>