TECHNICAL ASSISTANCE PROJECT FACTSHEET

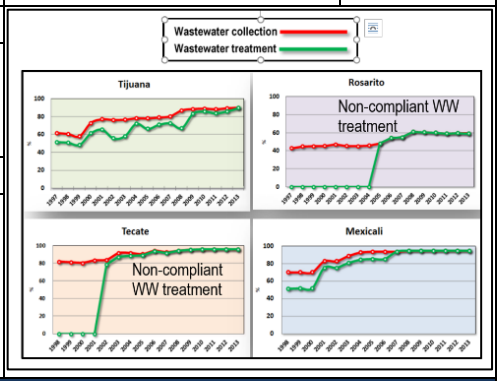
Project Name:	Impact Assessment for Wastewater Collection and Treatment in Baja California.		
TAP Number:	TAP 2098	**Start Date:**	02/15/15
Project Location:	State of Baja California in México	**Completion Date:**	06/15/16
Project Sponsor:	4 municipal Water Utilities of Tijuana, Playas de Rosarito, Tecate y Mexicali, BC.	**Closeout Report Date:**	06/25/16

TA Fundamental Objective:

Evaluating the impact of projects in the area is the best way to improve how things are done. A new element in the evaluation, was the community perception of the benefit or not of the projects.

TA Scope:

Strategy evaluate the conditions of 4 communities before and after the construction of 21 infrastructure projects; years to compare 2000 Vs 2015. The projects had an investment of 251.5 MD.



The Results

Tijuana WW System / City-wide	2000 - Initial environmental conditions	2015 - Impacts (Projects by BECC/NADB)	Change
Population (inhabitants, - INEGI)	1,210,520	1,722,348	42%
Population connected to the WW collection system	77%	91%	18%
Existing wastewater domestic hookups	266,762	488,250	83%
Wastewater treatment coverage	73%	97%	33%
Gastrointestinal diseases rate (/100000)	444	320	-28%
Flow of untreated raw wastewater (L/s)	627	0	–

Mexicali WW System / City-wide	2000 - Initial environmental conditions	2015 - Impacts (Projects by BECC/NADB)	Change
Population (inhabitants, - INEGI)	764,602	1,025,743	34%
Population connected to the WW collection system	83%	95%	14%
Existing wastewater domestic hookups	162,682	488,250	200%
Wastewater treatment coverage	91%	100%	10%
Gastrointestinal diseases rate (/100000)	289	193	-33%
Flow of untreated raw wastewater (L/s)	115	0	–

Tecate WW System / City-wide	2000 - Initial environmental conditions	2015 - Impacts (Projects by BECC/NADB)	Change
Population (inhabitants, - INEGI)	77,795	111,098	43%
Population connected to the WW collection system	84%	96%	14%
Existing wastewater domestic hookups	16,454	27,710	68%
WW treatment coverage (in compliance)	0%	100%	100%
Gastrointestinal diseases rate (/100000)	526	632	20%
Flow of untreated raw wastewater (L/s)	200	0	–

Playas de Rosarito WW System / City-wide	2000 - Initial environmental conditions	2015 - Impacts (Projects by BECC/NADB)	Change
Population (inhabitants, - INEGI)	63,420	105,150	66%
Population connected to the WW collection system	45%	65%	44%
Existing wastewater domestic hookups	8,493	32,191	279%
WW treatment coverage (in compliance)	36%	100%	178%
Gastrointestinal diseases rate (/100000)	392	329	-16%
Flow of untreated raw wastewater (L/s)	36	0	–

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OUTCOMES

Tijuana

Outcomes	
Access to WW collection infrastructure	95%
Access to WW treatment infrastructure	100%
Excess WW treatment capacity (L/s)	669

Mexicali

Outcomes	
Access to WW collection infrastructure	100%
Access to WW treatment infrastructure	100%
Excess WW treatment capacity (L/s)	330

Tecate

Outcomes	
Access to WW collection infrastructure	100%
Access to WW treatment infrastructure	100%
Excess WW treatment capacity (L/s)	50

Playas de Rosarito

Outcomes	
Access to WW collection infrastructure	80%
Access to WW treatment infrastructure	100%
Excess WW treatment capacity (L/s)	198

OUTPUTS

- Evaluate 21 drainage and sanitation infrastructure projects in 4 cities and municipalities of Baja California. -The municipalities and cities involved were; Tijuana, Playas de Rosarito, Tecate and Mexicali.

-3,409 surveys were applied, the questionnaire had 22 questions

-All information was transferred to georeferenced maps.

-The investigation was focus on: access to drinking water, drainage, sanitation and health through diarrheal diseases.

Potentially benefited population	2.93 million persons

Sources of Funding:

Approved TA	85,000
Contracted	82,900
Disbursed by JTAP:	82,900
Other funds	
Total	82,900

Partnerships: Tbe BECC and the Municipal Water Utilities of Tijuana, Playas de Rosarito, Tecate y Mexicali, BC.