



International Boundary and Water Commission
United States Section

Transboundary Flows Pump Station CIJA

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Tijuana River Valley Recovery Team

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Pump Station CILA

- Pump Station CILA was completed by Mexico in October of 1991 to comply with the requirements of Minute 283, signed in August 1990.
- Minute 283 specifies no discharges of treated or untreated domestic or industrial wastewater into the Tijuana River shall cross the US Mexico border.



Pump Station CILA

- Diversion of dry weather low flows from Tijuana River pilot channel
- Small concrete weir in pilot channel
- Screen, 30 inch diameter pipe
- Conveyed to wet well outside of concrete channel.
- These flows are NOT delivered to SBIWTP



Pump Station CILA

- Pump Station CILA can divert Tijuana River flows into the sewer system or the reclaimed water system.
- There are two pump stations at the Pump Station No. 1 location – Pump Station 1A (reclaimed) and 1B (raw wastewater)
- Normal operation is to convey river water through a separate system to the coast for discharge at San Antonio de los Buenos.



Secondary Effluent Discharges to Tijuana River

PROMEDIO MENSULA EN LPS. (2015)				
MES	ENERO	FEBRERO	MARZO	ABRIL
ARTURO HERRERA	247	199	220	246
LA MORITA	126	178	165	172
TECATE (avg monthly 2013)	162	162	162	162
			TOTAL	580



Pump Station CILA



Pump Station CILA

- Wet weather sediment and debris accumulation
- Screen and weir submergence at high flow – difficult/unsafe to access.
- CESPT wet weather operation:
 - When river flows are below 1000 Ips, flow is diverted into CILA Pump Station.
 - When flows exceed 1000 Ips, CILA Pump Station is shut down





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- During January and February 2015, it became increasingly difficult and unsafe for CESPT to maintain the CILA intake screens due to the large number of homeless people living in the channel and depositing excessive amounts of trash and debris in the pilot channel and screens.
- Even though Pump Station CILA was continuously in operation, overflows occurred (especially at night) due to clogged screens and lack of continuous cleaning.





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Tijuana River - CILA Pump Station to Boundary - 2013



Pump Station CILA

- In late January 2015, Mexico was advised to correct the problem of overflows at the diversion and the two IBWC Sections met with CESPT to discuss how that could be achieved.
- In late February 2015, in preparation for a moderate flow event in the river, the City of Tijuana took the opportunity to remove all debris and sediment from the concrete channel between the CILA Pump Station and the international border.
- The City of Tijuana is patrolling the levee so that the homeless do not return to the area.





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Tijuana River – CILA Pump Station to Boundary March 2015





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Tijuana River – CILA Pump Station to Boundary May 2015



Tijuana Watershed Minute - Water Quality Operation of the CILA Pump Station



Proposed Recommendations:

- Formalize an agreement on the operation of the diversion.
- Investigate options to increase the capacity of the diverter, to automate the maintenance of the diverter structure, or provide a secondary diversion point.
- Develop plan for reuse of treated wastewater in Mexico and eliminate the discharge into the Tijuana River.



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Questions

