



INTERNATIONAL BOUNDARY AND WATER COMMISSION
COMISIÓN INTERNACIONAL DE LÍMITES Y AGUAS
UNITED STATES SECTION

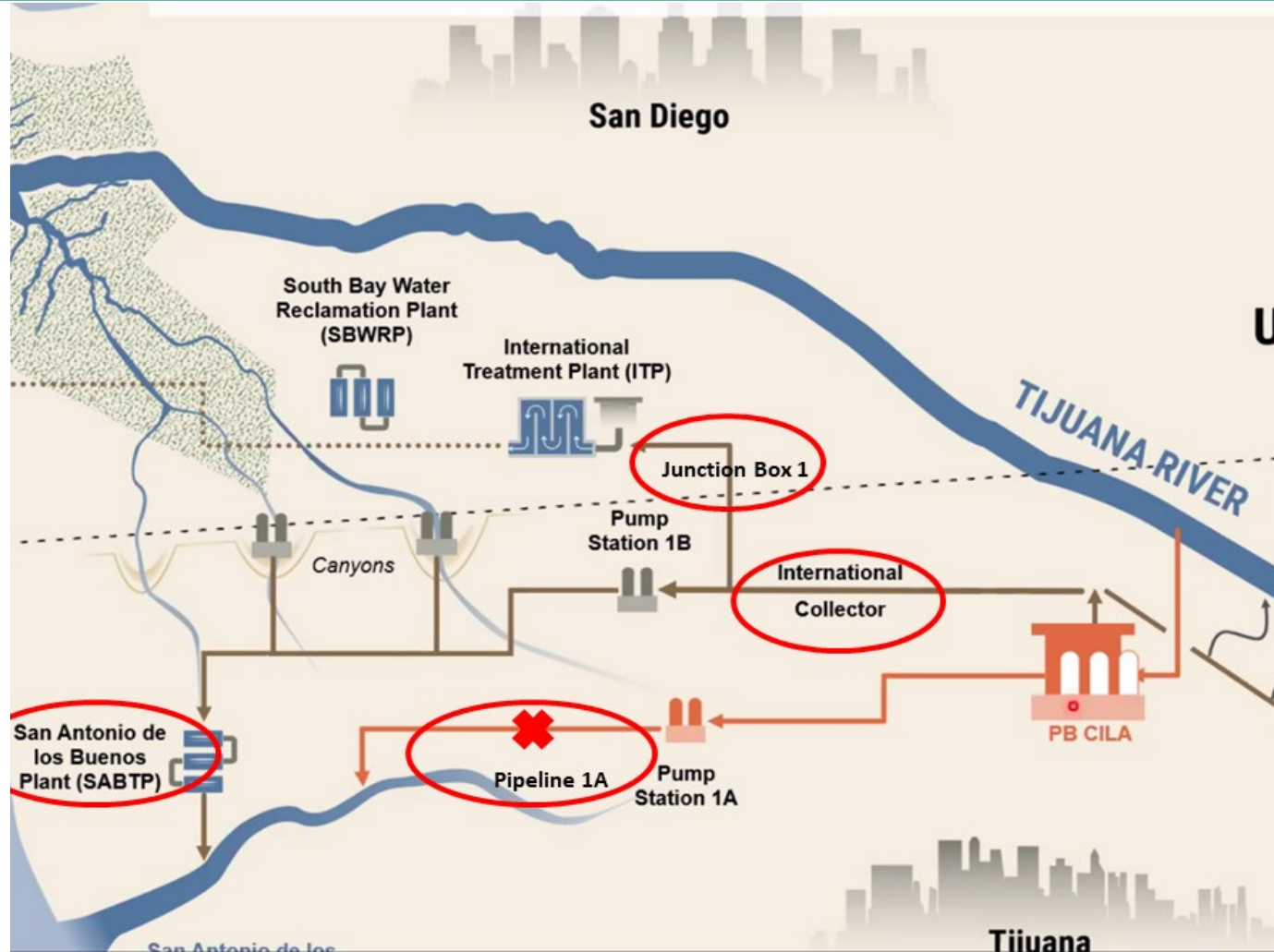
Update on Border Infrastructure Projects
Proyectos de Infraestructura en la Frontera

Sally Spener
Secretary

October 16, 2024



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MINUTE 328/ACTA 328

- **Minute 328, “Sanitation Infrastructure Projects in San Diego, California – Tijuana, Baja California for Immediate Implementation and for Future Development”/Acta 328 “Proyectos de Infraestructura de Saneamiento en Tijuana, Baja California - San Diego, California para Implementación Inmediata y para Desarrollo Futuro”**
 - Binding agreement of IBWC/Acuerdo obligatorio de la CILA
 - Entered into force 8/18/22/Entró en vigor 18/8/22
 - Identifies 16 projects in Mexico for implementation/**16 proyectos a ser implementados en México**
 - Identifies 1 project in the US (treatment plant expansion) for implementation/**1 proyecto en EU, ampliación de la planta**
 - Describes O & M responsibilities/**Describe responsabilidades de operación y mantenimiento**
 - Identifies potential future projects (river diversion & treatment, trash boom, US treatment plant expansion, effluent reuse, canyon collector improvements)/**Identifica posibles proyectos en el futuro**



Minute 328 ceremony attended by elected officials who advocated for sanitation projects



Online Project Status Estado de los Proyectos, en Línea

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- IBWC has an online portal for updates on all Minute 328 projects/**Sitio en línea con información sobre los proyectos del Acta 328**
- Portal provides map location, project description, status/**Sitio incluye ubicación, descripción, estado**
- GIS portal available at:
 - ibwc.gov
 - Select RESEARCH pulldown menu
 - Select GIS/Maps
 - Click on USIBWC GIS Portal <https://gisportal.ibwc.gov/agsportal/home/>
 - Select Public, Status of Statement of Intent and Minute 328 projects or <https://gisportal.ibwc.gov/agsportal/apps/instant/sidebar/index.html>



Primary Sedimentation Tanks

Tanques Primarios de Sedimentación

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PST Prior to Cleaning



PST 5 After Cleaning



PST 5 Sediment Buildup after
2 months in operation

Primary Sedimentation Tanks

- Were out of operation due to excess flows and sediment accumulation
- Current: 4 of 5 PSTs operational
- Permit compliance in October 2024



Tanques Primarios de Sedimentación

- Eran fuera de servicio por excedentes y acumulación de sedimento
- Actual: 4 de 5 PSTs funcionando
- Cumplimiento con el permiso en octubre

Grit/Gravel in Influent Line



Hollister Pump Station Repairs

Reparación de la Planta de Bombeo Hollister

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All 4 Pumps replaced in the last year post TS Hilary



Smuggler's Gulch Canyon Collector March 2023



Smuggler's Gulch Canyon Collector March 2024

Hollister Pump Station/Estación de Bombeo Hollister

- **Issue:** Excessive sediment in transboundary flows filled surge tanks, clogged pressure relief valve, and caused spill at pump station on June 17, two weeks after placing in operation after rainy season/**Problema:** Alto nivel de sedimentos en flujos transfronterizos dañaron el equipo
- **Status:** Pump station was offline during repairs, transboundary flows continued at Smuggler's Gulch and Goats Canyon/**Bombas fuera de servicio mientras flujos transfronterizos continuaban en Smuggler's Gulch y Goats Canyon**
- **Returned to service:** Electrical repairs, pressure relief valve installation completed and pumps restored to service in September /**Completaron la reparación y volvieron a funcionar en septiembre**



Sediment Challenges

Retos asociados con los sedimentos

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Sediment Intrusion/Entrada de sedimentos

- Excessive sediment in wastewater continues to compromise SBIWTP and canyon collectors' operations/Sedimentos en aguas negras afectan operaciones
- Significant increase in sediment & trash in 2024, almost 5x prior year/Aumento enorme en 2024, 5 veces más

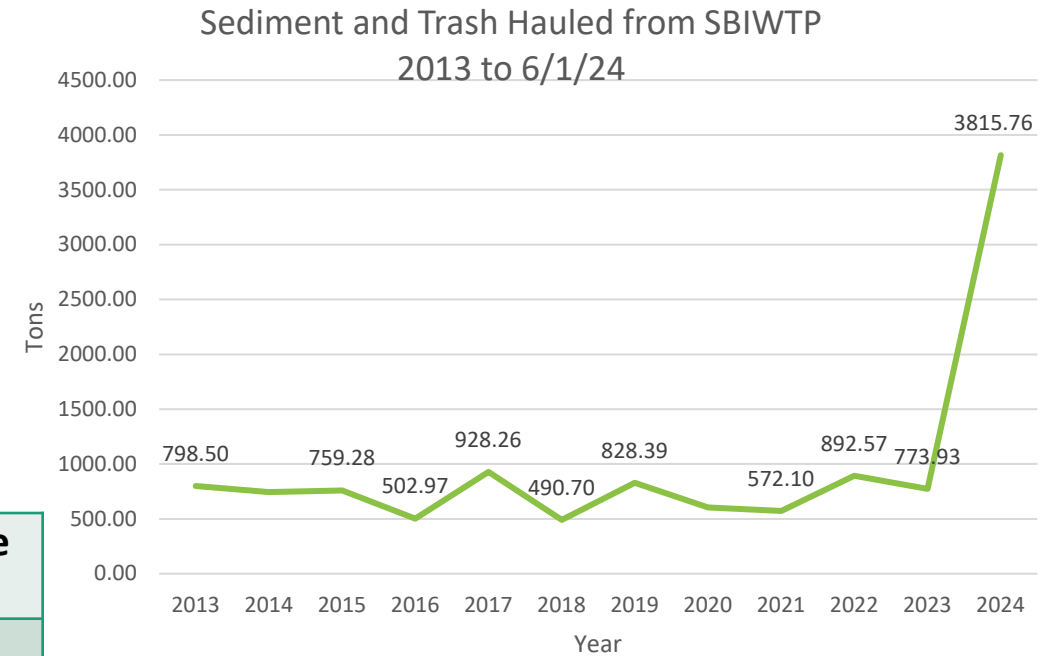
Short-Term Solutions/Soluciones a Corto Plazo

- Commission meetings and Consulate meetings to identify sources in Mexico and press for infrastructure repairs/Reuniones binacionales
- More frequent maintenance of SBIWTP/Darle mantenimiento con mayor frecuencia

Long-Term Solutions/Soluciones a Largo Plazo

- Construct sediment removal system with plant rehabilitation and expansion project/Construir sistema de remoción de sedimentos al ampliar la planta

SBIWTP Annual Average Effluent	
Year	MGD
2020	27.2
2021	23.3
2022	30.2
2023	27.1
2024	22.7





SBIWTP IMPROVEMENTS

MEJORAS EN LA PITAR

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Plant Rehabilitation and Expansion/Rehabilitación y Expansión de la Planta

- Contract awarded August 2024/Adjudicamos el contrato en agosto 2024
- Progressive design-build to accelerate construction/Diseño-Construcción Progresivo acelera la construcción
- Plan to double plant capacity/Duplicar la capacidad de la planta
- \$400M already appropriated (estimated \$600 M cost)/\$400M en fondos asignados (costo estimado de \$600M)

JB 1 Repair/Reparación de JB 1

- Groundbreaking held September 30, 2024/Inicio de construcción 30/09/2024
- Will allow USIBWC to regulate flow into the plant to permitted volumes/USIBWC podrá controlar el flujo a la planta
- Project to be completed in spring 2025/Fin de construcción primavera 2025

Pump repair and replacement/Reparación y reemplazo de bombas

- Various projects underway or completed to repair or replace influent pumps, primary non-potable pumps, secondary non-potable pumps/Varios proyectos en camino



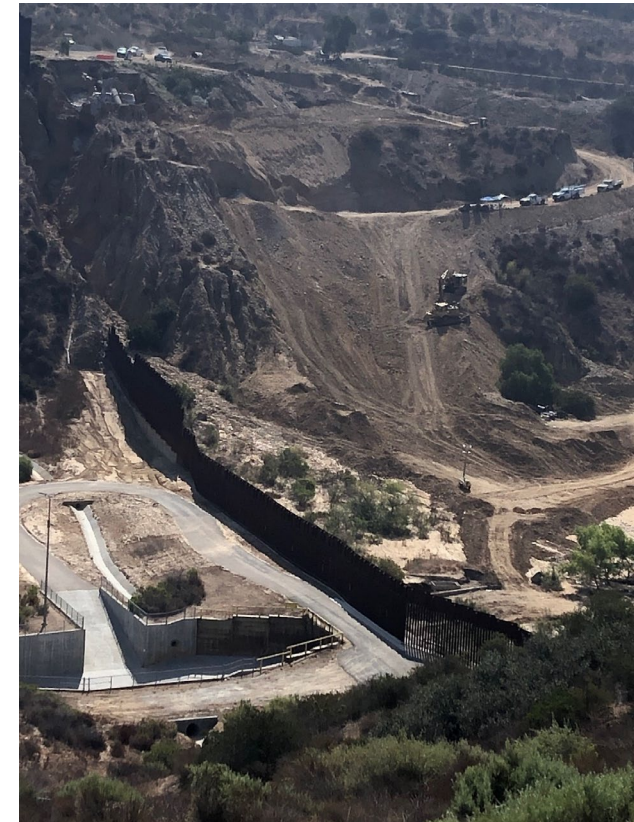
Influent pumps



MEXICO IMPROVEMENTS MEJORAS EN MEXICO

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- Pipeline damaged in summer 2022 is back in service/Reparación de una tubería dañada en 2022
- PB CILA has returned to operation, thereby reducing transboundary flows/PB CILA en operación, reduciendo flujos transfronterizos
- Construction of new treatment plant in Mexico nearing completion/Construcción de una planta nueva en México está a punto de terminarse
- Various Minute 328 projects underway/Diversos proyectos del Acta 328 en camino



Site of Mx pipeline failure at
Smugglers Gulch/Matadero Canyon



Tijuana River Valley Monitoring Program (TRVMP)

Proyecto de Monitoreo en el Valle del Río Tijuana

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Minute 320 Update

- TRVMP developed through the Minute 320 binational workgroup/*desarrollado por el grupo de trabajo del Acta 320*
- Five-year contract awarded in September 2024/*Contrato de 5 años adjudicado en septiembre 2024*
- Water, sediment, and trash in the Tijuana River and canyons will be sampled/*muestras de agua, sedimentos, basura*
- Testing for bacteria, industrial pollutants, pesticides, metals, etc./
Análisis de bacterias, contaminación industrial, pesticidas, metales, etc.





Transboundary Flows

Flujos Transfronterizos



Blueprint for Addressing Transboundary Flows

Plan para los Flujos Transfronterizos

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- Weekly Commissioner-Level Meetings and Discussions (Ongoing since 6/20/2024)/Reuniones semanales de las Comisionadas
- Review Satellite Aerial Photography (Ongoing since 7/18/2024)/Revisión de fotos satelitales
- Contract to Investigate the Flows into the Tijuana River/Investigación sobre la fuente de los flujos
- Binational River Inspections (Ongoing Action since May 14, 2024)/Inspecciones binacionales del río
- Biweekly Commission Meetings at the Local Level (Ongoing Action)/Reuniones binacionales locales





Highlights

Puntos Destacados

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- Permit compliance October 2024/Cumplimiento con el permiso este mes
- SBIWTP repairs underway/Reparación de la planta, en camino
- SBIWTP rehabilitation and expansion project underway/Rehabilitación y expansión de la planta en San Diego
- Tijuana River Valley monitoring project contract awarded/Contrato adjudicado para el monitoreo de la calidad del agua
- Tijuana River flows study in process/Investigación sobre los flujos en el río
- Blueprint for addressing Transboundary Flows underway/Plan para los flujos transfronterizos
- Minute 328 projects underway/Proyectos del Acta 328 en proceso