

INTERNATIONAL BOUNDARY AND WATER COMMISSION

'Ozone Nanobubble Technology' Pilot Project Update



Pictured: Ozone nanobubble equipment actively treating Mexican sewage on the Tijuana River in San Ysidro, CA. (2025)

- For more information on 'Notice of Intent to Sole Source nanobubble/ozone technology' visit our Sam.gov posting here:
<https://sam.gov/opp/78ff33556e704932b4d795e0b072c23d/view>
- For more information on the 'Memorandum of Understanding between the United Mexican States and the United States of America on Addressing the Sanitation and Environmental Crisis in the Tijuana–San Diego Region' visit:
<https://www.epa.gov/system/files/documents/2025-07/proy-mde-semarnat-epa-23jul25-ing-rev2-us-rev-24jul25rev-clcsc.pdf>

The United States, International Boundary and Water Commission, is conducting a small-scale pilot project to use ozone to remove contaminants from Tijuana River flows.

This technology has the potential to reduce the exposure of Americans to Mexican sewage by killing bacteria and reducing hydrogen sulfide levels.

In addition to implementing the Memorandum of Understanding between the United States and Mexico negotiated by the Trump Administration for a 100% solution to the Tijuana River pollution crisis, which includes expansion of the South Bay International Wastewater Treatment Plant, we are evaluating innovative technologies that have the potential to protect public health and improve the welfare of Americans.

This project started this week and is expected to last approximately 60 days.



Pictured: Treated water being deposited into Tijuana River (2025)