

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

FINAL

GOAL 1: – REDUCE AIR POLLUTION

Objective 1: Establish reliable and sustainably operated air monitoring networks and provide real-time access to air quality data

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Install and operate NO _y and CO Monitors in San Luis Rio Colorado, Sonora (SN)	Arizona Department of Environmental Quality (ADEQ), United States Environmental Protection Agency (USEPA), Commission of Ecology and Sustainable Development (CEDES) San Luis Rio Colorado Water, Sewerage and Sanitation Operating Agency (OOMAPAS)	ADEQ, CEDES, OOMAPAS staff time USEPA 105 grant	Gerardo Monroy (ADEQ) monroy.gerardo@azdeq.gov Diana Karen Durazo Ruiz (CEDES) diana.durazo@sonora.gob.mx Ana Sophia Vásquez (CEDES) sophia.vasquez@sonora.gob.mx	<ul style="list-style-type: none"> Install and operate a NO_y and CO monitors in San Luis Rio Colorado (SLRC), SN 	<ul style="list-style-type: none"> ADEQ still pending the transport equipment for NO_y and CO data collection to complement the O₃ data, due to Mexican customs restrictions. ADEQ is working with the state of Sonora to address these issues. 	Significant Progress
Air monitoring in Nogales, Sonora	Arizona Department of Environmental Quality (ADEQ), United States Environmental Protection Agency (USEPA), Commission of	ADEQ, CEDES and ITN staff time and USEPA 105 grant	Gerardo Monroy (ADEQ) monroy.gerardo@azdeq.gov mailto: Diana Karen Durazo Ruiz (CEDES) diana.durazo@sonora.gob.mx	<ul style="list-style-type: none"> Operate O₃, PM₁₀ and PM_{2.5} monitors in Nogales, SN This is an on-going project. 	<ul style="list-style-type: none"> Implement regular equipment maintenance and Quality Assurance (QA). Quality Control (QC) checks. Share data with CEDES. Provide information to the City Council of Nogales, Sonora to update the air quality diagnoses of the Management Program to Improve Air Quality (ProAire) for Nogales, SN. 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
	Ecology and Sustainable Development (CEDES)		Ana Sophia Vásquez (CEDES) sofia.vasquez@sonora.gob.mx			
Monitoring in Nogales, Douglas, Paul Spur and Yuma, Arizona	Arizona Department of Environmental Quality (ADEQ)	ADEQ staff time	Gerardo Monroy (ADEQ) monroy.gerardo@azdeq.gov	<ul style="list-style-type: none"> Continue monitoring activities in Arizona border communities: Nogales (PM₁₀, PM_{2.5}); Yuma (O₃, PM₁₀ and PM_{2.5}); Douglas (PM₁₀); Paul Spur (PM₁₀) 	<ul style="list-style-type: none"> Continue reporting air quality data publicly to AirNow 	Deliverable Achieved
Monitoring in Agua Prieta, Sonora	Commission of Ecology and Sustainable Development (CEDES Industrial sector)	CEDES staff time (REIICA)	diana.durazo@sonora.gob.mx Ana Sophia Vásquez (CEDES) sofia.vasquez@sonora.gob.mx	<ul style="list-style-type: none"> Reactivate monitoring activities at Agua Prieta. 	<ul style="list-style-type: none"> In June 2023, the private industry began to collaborate with CEDES through the REIICA, sharing the monitoring of Nox and Sox data. CEDES staff collects this information 	Moderate progress
Technical Exchange for Network Operators in community-based groups in the US-Mexico border region to share experiences and insights that could help advance their efforts.	Casa Familiar (San Ysidro, CA), Comité Cívico del Valle (Imperial Valley, CA), Redspira (Mexicali, BC), University of Texas-EI Paso and Autonomous University of Ciudad Juarez (Ciudad Juarez, Chihuahua)	USEPA	Carrie Wheeler (USEPA) wheeler.carrie@epa.gov	<ul style="list-style-type: none"> Foster collaboration and sharing of best practices among non-government operators of low-cost air sensor networks on both sides of the U.S.-Mexico border region. 	<ul style="list-style-type: none"> Event took place on June 9, 2021, with 87 participants 	Deliverable Achieved
Introduction to Air Sensors Training (English and Spanish recordings)		USEPA (ORD, OAQPS staff time)	Layne Marshall (USEPA) marshall.layne@epa.gov	<ul style="list-style-type: none"> Originally delivered to the Imperial-Mexicali AQTF in September 2020, this updated recorded training shares information on ambient air monitoring sensors and is posted on the EPA Air Sensors Toolbox in both English and Spanish. 	<ul style="list-style-type: none"> Posted on the EPA Air Sensors Toolbox and EPA YouTube in May 2023. 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
“Air Quality for Environmental Justice” Black Carbon CEC Project	Commission for Environmental Cooperation (CEC), INECC, ECCC	CEC: \$1,000,000 Canadian	Layne Marshall (USEPA) marshall.layne@epa.gov	Partnering with Comite Civico as the community partner in Imperial Valley-Mexicali to expand their existing community monitoring network to include black carbon sensors. Results will be shared with the local community in the context of public health. Several capacity building sessions will be held among community partners.	<ul style="list-style-type: none"> Community agreements signed spring 2024. Capacity building workshop hosted May 2024. Monitoring to take place summer 2024 - fall 2025. 	Deliverable Achieved
Objective 1a: <i>By 2023, increase knowledge-transfer and provide at least one training opportunity on performance standards and applications of low-cost air quality sensors.</i>						
School-Based Binational Air Quality Monitoring and Educational Program in Ambos Nogales	Arizona Department of Environmental Quality (ADEQ)	ADEQ and EPA CAA 105 funding	Gerardo Monroy (ADEQ) monroy.gerardo@azdeq.gov	<ul style="list-style-type: none"> Implementation of an educational program to raise awareness of air quality/pollution, which will include school-based network of low-cost PM2.5 sensors. 	<ul style="list-style-type: none"> Project initiated March 1, 2024 ADEQ and the Commission of Ecology and Sustainable Development (CEDES) have gotten the approval from the 4 high schools (two on each side of the border). 	Initial Progress
Objective 1b: <i>By 2024, develop and implement a sustainable funding mechanism for air quality monitoring in at least one Mexican state.</i> *There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans						
Objective 1c: <i>By 2025, ensure that all air quality agencies operating one or more regulatory air quality monitors have developed a monitoring network plan (ideally in cooperation with other agencies in the same airshed) and a quality assurance project plan.</i> *There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans						
Objective 2: Increase the quality and exchange of data from emissions inventories across the border and among federal, state, local, Tribal governments and Mexican Indigenous communities and Afro-Mexican people.						
Objective 2a: <i>By 2023, strengthen intergovernmental linkages, increase the exchange of information, and pursue greater harmonization when developing and improving national, state, and municipal emissions inventories, starting with at least two binational airsheds. The initial focus will be on “criteria” pollutants and their precursors (particulate matter, carbon monoxide, lead, sulfur dioxide, nitrogen oxides, volatile organic compounds, and ammonia)</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
Inventory of Emissions Inventories: Summary of Methodologies for Mexico and US National Emissions Inventories	United States Environmental Protection Agency (USEPA) Texas Commission on Environmental Quality; New Mexico Environment Department, Secretariat of Environment and Natural Resources (SEMARNAT)	EPA led and co-developed with SEMARNAT Staff time.	Carrie Wheeler (USEPA) wheeler.carrie@epa.gov	<ul style="list-style-type: none"> Activity to support border-wide effort to encourage communication about the methodologies used to develop existing emissions inventories to better understand emissions in the border region. Facilitate efforts to harmonize the content and development of future releases of the U.S. and Mexico national emission inventories. Share report with state and local agencies. 	English/Spanish report completed in February 2022.	Deliverable Achieved
Development of the emissions inventory for stationary sources of state jurisdiction in Sonora corresponding to the year 2022	Commission of Ecology and Sustainable Development (CEDES)	CEDES staff time	Diana Karen Durazo Ruiz (CEDES) diana.durazo@sonora.gob.mx Ana Sophia Vasquez (CEDES) Sophia.vasquez@sonora.gob.mx	<ul style="list-style-type: none"> Inventory will include bordering municipalities. By March 2023, have the draft emissions inventory. 	There is no update regarding the emissions inventory in border cities	No progress
Strengthening Mexican Emissions Inventories and Related Capacity	US Environmental Protection Agency (EPA), Secretariat of the Environment and Natural Resources (SEMARNAT), Baja California, Chihuahua, Contractor	USEPA: \$148,000	Carrie Wheeler (USEPA) wheeler.carrie@epa.gov	<ul style="list-style-type: none"> Identify methodological and data quality gaps in Baja California and Chihuahua state emissions inventories Prioritize and fill identified state emissions inventory gaps. Organize an online technical training event on emissions inventory development standards for Mexican federal, state, and local officials. 	The 2-day technical workshop was held in May 2023 and the final report was delivered in July 2023.	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
Continued Strengthening of Mexican Emissions Inventories and Related Capacity	USEPA, Secretariat of the Environment and Natural Resources (SEMARNAT), Contractor	USEPA: \$105,000	Carrie Wheeler (USEPA) wheeler.carrie@epa.gov	<ul style="list-style-type: none"> The Contractor shall conduct a methodological and QA review of emissions inventories for Coahuila, Nuevo León, Sonora and Tamaulipas. Updated emission inventories for one or more of the four states. Organize an online technical training event on emissions inventory development 	<ul style="list-style-type: none"> Workshop planned for August 2024 and final report expected to be delivered by September 2024. 	Significant Progress
<p>Objective 2b: By 2024, expand technical training to promote standardized approaches to emissions inventory development (including source measurement and testing) and maintenance.</p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 3: Reduce vehicle emissions in the border region, including by establishing or strengthening programs that reduce the number of vehicles that do not comply with vehicle emissions standards.</p>						
<p>Objective 3a: By 2024, increase cross-border (interagency, interstate, and international) access to databases that officials can use to verify that used vehicles meet emission standards</p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 3b: By 2025, implement new vehicle inspection and maintenance programs or improve the existing programs, achieving at least 50% compliance in two or more Mexican states.</p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 3c: By 2025, reduce emissions from freight transportation in the border region by increasing information exchange and harmonization between U.S. EPA’s SmartWay program and Mexico’s Transporte Limpio program.</p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
SmartWay-Transporte Limpio: Information exchange	EPA Head Quarters (HQ) and Secretariat of the Environment and Natural resources	USEPA and Semarnat staff time	Buddy Polovick polovick.buddy@epa.gov	<ul style="list-style-type: none"> Coordination over data harmonization between the SmartWay and Transporte Limpio programs 	<ul style="list-style-type: none"> Communication established between OTAQ and SEMARNAT 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
	(SEMARNAT)					
Objective 4: Deploy strategies and technologies to reduce pollutant emissions and improve public health outcomes						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Yuma PM ₁₀ control measure State Implementation Plan (SIP)	Arizona Department of Environmental Quality (ADEQ)	ADEQ/EPA Staff time and USEPA Performance Partnership Agreements Grant (PPG)	Lisa Tomczak (ADEQ) Tomczak.lisa@azdeq.gov	• Reasonable air controls to incorporate into rule that will be incorporated into a SIP.	<ul style="list-style-type: none"> • Control measure SIP submittal • Re-designation Request/Maintenance Plan • Final SIP submittal • Ongoing 	Significant Progress
Douglas/Paul Spur PM ₁₀ control measure SIP	Arizona Department of Environmental Quality (ADEQ) Environmental Protection Agency (USEPA)	ADEQ/EPA Staff time and USEPA PPG grant	Samantha Schaffer (ADEQ) Schaffer.samantha@azdeq.gov	Develop and implement the following steps: <ul style="list-style-type: none"> • An Attainment Analysis • A Base Emission Inventory • A Control Analysis • Modeling 	<ul style="list-style-type: none"> • Attainment Analysis • Ongoing. 	Moderate Progress
“Mitigating Short Lived Climate Pollutants” CEC Methane Project	Commission for Environmental Cooperation (CEC), INECC, ECCC, U.S. State Department	CEC: \$400K Canadian	Layne Marshall (USEPA) marshall.layne@epa.gov	<ul style="list-style-type: none"> • Convene methane experts in a workshop to discuss opportunities for enhancing methane quantification. Provide recommendations and guidelines for improving national methane emissions inventories (waste sector) by assessing emerging remote sensing technologies. 	<ul style="list-style-type: none"> • Host workshop in Spring 2025. Synthesize recommendations by summer 2025. 	Initial Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
Objective 4a: By 2023, implement a program on air-quality-related health effects and/or a communication campaign on air-quality-related health risks and mitigation measures in at least one additional urban airshed (e.g., a public awareness campaign on the health impacts of agricultural burning or trash burning)						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Environmental and Health awareness Campaign to prevent waste burning in Naco, Sonora	State of Sonora Environmental Attorney's Office (PROAES) North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	EPA B2025 \$38,531. Leveraging: \$ 39,531.	Mauricio Garcia (PROAES) mauriciogarcia@proaes.gob.mx Nidia Lagarda (PROAES) nidia.lagarda@sonora.gob.mx Jorge Hernandez (NADBank) jhernandez@nadb.org Badertscher, Lauren Badertscher.Lauren@epa.gov	<ul style="list-style-type: none"> The project will implement an environmental health and awareness program the risks of burning toxic materials related to solid waste in coordination with municipality and nearby residents Effort includes an air quality assessment and completion of a Quality Assurance Project Plan (QAPP). Review of municipal solid waste management in Naco, Sonora 	<ul style="list-style-type: none"> PROAES staff have initiated program in coordination with ADEQ and NADBank representatives. Efforts include site visits to assess the municipality's waste management program and what type of trash is being burned Upcoming meeting with Municipality and community residents to initiate environmental health campaign. 	Initial Progress
Disseminate information on the effects on human health of exposure to air pollutants generated by agricultural and waste burning	Commission of Ecology and Sustainable Development (CEDES)	CEDES staff time	Diana Karen Durazo Ruiz (CEDES) diana.durazo@sonora.gob.mx Ana Sophia Vásquez sophia.vasquez@sonora.gob.mx	<ul style="list-style-type: none"> Agency to reach whole state of Sonora, to including border municipalities. Outreach tools to include videos, and infographics. Effort to include recommendations to prevent these events. By December 2023, published twelve videos or infographics on the web pages and social networks of the CEDES and City Councils. 	<ul style="list-style-type: none"> Digital material has been published on the CEDES social networks, including videos and images On the International Clean Day, a series of virtual talks took place with the participation of specialist on the subject, where they discussed particle monitoring, agricultural burning, waste burning and the effects on human health, with the participation of society university students, municipalities and government agencies. The invitation was extended to all border municipalities. On October 31^{st.}, the State Conference against Climate Change was held with the theme of Air Quality. We had the participation 	Deliverable achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
Asthma Home Visiting Services among Tribal Communities along the Arizona - California Border	Regional Asthma Management and Prevention (RAMP), National Center for Healthy Housing, EPA’s Indoor Environments Division	EPA B2025 \$75K	Joel Ervice Joel@rampasthma.org Chantal Lee Lee.Chantal@epa.gov	<ul style="list-style-type: none"> develop tools, training, and technical assistance on sustaining in-home asthma interventions, targeting a national audience of asthma stakeholders 	of experts and authorities through discussion panels on the following topics: health risks in climate change and air quality in cities, influence of the productive sector on air quality, urban transportation and its effects on air quality, as well as the exchange of experiences with Mexican Border States on the mentioned topics. <ul style="list-style-type: none"> Conducted select interviews to learn about current understanding of asthma home visiting programs among border tribes Meet with key partners and develop list of tribal representatives 	Significant Progress
<i>Respirando Limpio</i> : communication campaign focused on farm workers around the AZ border region	Campesinos Sin Fronteras, EPA	CAA Special Purpose Activities	Chantal Lee Lee.Chantal@epa.gov	<ul style="list-style-type: none"> Create awareness about environmental health risks, asthma triggers, plus indoor and outdoor air quality. One-on-one community outreach with Promotores 	<ul style="list-style-type: none"> Developed a series of ‘micro shows’ amongst farm workers to disseminate health risks information associated with air quality. 	Significant Progress
<p>Objective 4b: <i>By 2025, implement at least two policy-based (e.g., multi-pollutant assessment, co-mitigation of short-lived climate pollutants, and Global Methane Initiative) or technology-based (e.g., renewable energy financing or other incentives) programs targeting specific pollutants or sectoral emissions of local concern.</i></p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 4c: <i>Implement additional emission reduction strategies consistent with applicable State Implementation Plans (SIPs) and PROAIRES.</i></p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 5: <i>By 2025, support update and/or completion of climate action plans in each of the six northern Mexican Border States (as appropriate) and build the necessary capacity to guarantee sustained implementation</i></p>						

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 1: – REDUCE AIR POLLUTION						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Publication and implementation campaign of the State of Sonora’s Climate Change Program (PECCS) to municipalities of the state of Sonora	Intersecretarial Commission on Climate Change (CICC), Commission of Ecology and Sustainable Development (CEDES)	CEDES and CICC Staff Time	Diana Durazo (CEDES) Diana.durazo@sonora.gob.mx Liliana Araujo (CEDES) Liliana.araujo@sonora.gob.mx	<ul style="list-style-type: none"> • Post the PECCS on the CEDES page. • Hold three CICC meetings a year. • Have a published issue of PECCS. 	<ul style="list-style-type: none"> • Publication of the PECCS in the Official Gazette of the Government of the State of Sonora by June 2022. • Implementation of an important campaign for its dissemination in digital media in 2023, in the municipalities of the state of Sonora, including those that are border. 	Deliverable achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 2: IMPROVE WATER QUALITY						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
<p>Objective 1: Address Border Water Management in the Tijuana River Watershed. The EPA and SEMARNAT are to coordinate with specific federal, state, and local entities to plan and implement high priority infrastructure projects that address transboundary pollution affecting the Tijuana River watershed.*Not applicable to this region. For more information on past action plan activities, please visit: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p><i>Objective 1a: Carry out the planning, design, construction, and operation and maintenance of high priority treatment works in the Tijuana River Watershed.</i> *Not applicable to this region. For more information on past action plan activities, please visit: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 2: Improve Drinking Water and Wastewater Treatment Infrastructure. Ten drinking water and/or wastewater projects will be developed and certified by the NADB Board of Directors by 2025 under the Border Water Infrastructure Program. *There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p><i>Objective 2a: Increase access to safe drinking water and wastewater treatment in underserved communities</i></p>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Naco, SN – Wastewater collection and treatment rehabilitation	North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border Water Infrastructure Fund (BWIP): \$340K	Gerardo Calza (NADB) gcalza@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov	<ul style="list-style-type: none"> Determine the most appropriate, efficient, and sustainable solution (scope) to eliminate 0.9 mgd of runoff and transboundary flows of untreated wastewater. 	<ul style="list-style-type: none"> February 2022 – Diagnostic study completed January 2024 - Completed NEPA clearance Project certification expected Q2 2025 	Moderate Progress
Nogales, SN – Colinas del Sol and Colonia Bella Vista Wastewater Collection and Wastewater Treatment Plant	North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border Water Infrastructure Program (BWIP): \$205K	Gerardo Calza (NADB) gcalza@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov	<ul style="list-style-type: none"> The proposed project will expand the municipality's wastewater collection and treatment system, providing wastewater treatment to these unserved communities. 	<ul style="list-style-type: none"> September 2023 – Completed NEPA clearance Project certification expected Q1 2025 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Objective 2b: Reduce discharges of untreated wastewater into the oceans and transboundary rivers such as those in the Tijuana River, New River, Santa Cruz River, and the Rio Grande/Rio Bravo watersheds						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Nogales, AZ – International Outfall Interceptor (IOI) Laterals Connections and Erosion Protection	North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border Water Infrastructure Program (BWIP): \$2.8M	Gerardo Calza (NADB) gcalza@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov	<ul style="list-style-type: none"> Decommissioned 5 laterals, 3 of which will be relocated to the nearest existing manhole on the IOI Project includes bank erosion protection at critical areas that could compromise the IOI infrastructure and City's water main, which services nearly 50% of the city. 	<ul style="list-style-type: none"> 2021 – Final design completed. Jan 2022 – Laterals construction completed. 2022 - Erosion protection to be completed. Project completed April 2023 	Deliverable Achieved
Nogales, SN – Expansion of Los Alisos Wastewater Treatment Plant Modules 3 and 4	North American Development Bank (NADB) US Environmental Protection Agency (USEPA)	Border Water Infrastructure Program (BWIP0: \$275K	Gerardo Calza (NADB) gcalza@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov	<ul style="list-style-type: none"> Expansion of treatment plant from 5 to 10 mgd 	<ul style="list-style-type: none"> 2021 – Final design of module 3 completed Biological study to support NEPA process underway. Module 3 is moving forward as NADBank evaluates need for module 4. 	Moderate Progress
Development of a treatment or post-treatment pilot project plan	International Boundary and Water Commission (IBWC) North American Development Bank (NADB) US Environmental Protection Agency (USEPA) Arizona Department of Environmental Quality (ADEQ))	TBD	Wayne Belzer (IBWC) Belzer.wayne@ibwc.gov Gerardo Calza (NADB) gcalza@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov Claudia Gil (ADEQ) Gil.claudia@azdeq.gov	<ul style="list-style-type: none"> Project plan will look at the flows that are currently discharging in northeast Nogales, Sonora, towards the tributaries of the Santa Cruz River in the “Cerro Pelon” and “Oso Wash” and are directly introduced into the United States Develop a Pilot Project Plan by 12/31/2023. 	<ul style="list-style-type: none"> ADEQ working with USGS to develop a feasibility study for the implementation of nature-based alternatives to improve the water quality in Oso Wash. No near-term actions planned for Cerro Pelon 	Initial Progress
Objective 3: Improve O&M of Drinking Water and Wastewater Infrastructure						
Objective 3a: Ensure that infrastructure projects funded by the U.S. or Mexico have adequate Operations and Maintenance (O&M) reserves and long-term planning						

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Discussions on Operations & Maintenance (O&M) with the City of Naco are in progress	North American Development Bank (NADB) US Environmental Protection Agency (USEPA), Comisión Estatal de Agua de Sonora (CEA), and Arizona Dept. Environmental Quality (ADEQ)	TBD	Andres Rangel (NADB) Arangel@nadb.org	On-going discussion.	Development and implementation of a sustainable, long-term Operation and Maintenance (O&M) plan NADBank is providing technical assistance to help utility develop a user registry and use solar panels for reduce energy costs and improve sustainability.	Initial Progress
Objective 3b: Build capacity at water utilities through training and programs that improve the following: Asset management; Wastewater pretreatment (treatment of industrial wastewater discharged to a public wastewater treatment plant); Operational, managerial, and financial management.						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Wastewater pretreatment of heavy metals and Reuse at Nogales, SN	Secretary of Urban Development and Ecology / Department of Ecology, Secretariat of Sustainable Development Ecology, (CEDES), North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border 2025 Program: \$48,413 Leverage: \$60,794	Adrian Guerrero agm1804@hotmail.com Jorge Hernandez (NADB) jhernandez@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov Claudia Gil (ADEQ) Gil.claudia@azdeq.gov	Proposal will address two high priorities of the Ambos Nogales area: <ul style="list-style-type: none"> Pretreatment of wastewater in Nogales, SN to reduce or eliminate heavy metals that negatively impact the operations at the Nogales International Waste-Water Treatment Plant (WWTP) in Rio Rico, AZ, and the quality of the effluent that the plant discharges into the Santa Cruz River. The reuse of treated wastewater for green infrastructure purposes (irrigation of green areas, construction, toilet flushing, etc.) 	<ul style="list-style-type: none"> 2021 – workplan completed Spring 2022 – complete QAPP Design, construction, and evaluation of pilot project using natural processes to reduce heavy metal concentrations in industrial wastewater. Recommendations to local and state agency representatives to establish a water reuse master plan for the Municipality of Nogales. Heavy metals sampling at industrial facilities began Fall 2023. Consultant working to identify native plants for bioremediation pilot project Q1 2024 Project to end Feb. 2025 	Significant Progress
Collaborate with the National Association of Clean Water Agencies (NACWA)	NACWA, Drinking Water, Sewerage and Sanitation Operating Agency (OOMAPAS), Arizona Department of Environmental Quality (ADEQ),	N/A	Mari Gonzalez (USEPA) mailto:moran.monica@epa.gov Gonzalez.mari@epa.gov Joaquin Marruffo (ADEQ) jmarruffo@azdeq.gov	<ul style="list-style-type: none"> Work in partnership with NACWA to find meaningful and effective means to build up utility capacity for disadvantaged border utilities. Implement Trainings in coordination with Program partners as the City of Phoenix-OOMAPAS Pretreatment 	<ul style="list-style-type: none"> As of Oct 2019, stakeholders met in AZ for initial brainstorming session to aid OOMAPAS 2021 - City of Phoenix-OOMAPAS Pretreatment Training. About 25 participants included: Water Utilities from Nogales and Agua Prieta, Sonora (OOMAPAS), among 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

	US Environmental Protection Agency (USEPA)			Training to improve utility capacity in the AZ-SN border region.	<ul style="list-style-type: none"> others. Continue to coordinate training opportunities 	
Objective 4: Promote beneficial reuse of treated wastewater and conservation of water and energy						
Objective 4a: Assess opportunities to fund wastewater reuse projects through the infrastructure program, complying with current regulations.						
*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans .						
Objective 4b: Develop at least one wastewater reuse pilot project, or one utility-driven water/energy audit.						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Develop wastewater reuse design on Cocopah Tribal Lands	Cocopah Indian Tribe, North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border 2025 Subgrant: \$45,563 Leverage: \$8,330	Jorge Hernandez (NADB) jhernandez@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov	<ul style="list-style-type: none"> Project to assess the water quality of City of Yuma's treated wastewater and develop a design to discharge wastewater into the Colorado River on Cocopah tribal lands for beneficial reuse as part of a riparian/wetland restoration. Will lead to the tribe's plan to better adapt to climate change and complement other on-going environmental efforts. 	<ul style="list-style-type: none"> Tribal efforts included a design of a Wetland Restoration plan for beneficial reuse of wastewater discharged from the City of Yuma Treatment Plant. Tribal Community received funding for the creation of future wetland. 	Deliverable Achieved
Rain Harvesting Rio San Pedro	Watershed Management Group (WMG), US Environmental Protection Agency (USEPA)	Border 2025 Subgrant: \$60,000	Jorge Hernandez (NADB) jhernandez@nadb.org Mari González (USEPA) gonzalez.mari@epa.gov Joaquin Murrieta jmurrieta@watershedmq.org	<ul style="list-style-type: none"> Increase local capacity for rainwater harvesting and water security in the ejido communities of the San Pedro River basin in Sonora, Mexico 	<ul style="list-style-type: none"> Selection of initial sites for installation of rainwater harvesting demonstration systems (ongoing) Water harvesting system design and implementation training completed and final accomplishments were presented at the Water Quality Task Force session in Nogales, Sonora (June 2024). 	Deliverable Achieved
Binational trainings for sediment pollution retention in Sonora and Arizona	Borderlands Restoration Network, North American Development Bank (NADB),	Border 2025 Program subgrant: \$64,975	Aspen Thies athies@borderlandsrestoration.org	<ul style="list-style-type: none"> Proposal seeks to improve best management practices for watershed sediment pollution retention on both sides of the Arizona/Sonora border. Proposal will implement two 	<ul style="list-style-type: none"> 2021 – workplan completed Two ecological restoration Workshops targeted for 24 participants from the region. 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

	US Environmental Protection Agency (USEPA)		<p>Jorge Hernandez (NADB) jhernandez@nadb.org</p> <p>Mari González (USEPA) gonzalez.mari@epa.gov</p>	<p>workshops on both sides of the border and will demonstrate appropriate ecological restoration approaches.</p> <ul style="list-style-type: none"> To include the construction of 50 erosion control structures that will reduce sediment transport and re-establish native vegetation communities. Implement two weeks of free watershed restoration training and networking for residents of the Arizona/Sonora communities. 		
Produce a binational and sustainable strategy to address stormwater control, urban flooding, and water quality concerns in Ambos Nogales (Sonora and Arizona)	Arizona State University (ASU), North American Development Bank (NADB), Environmental Protection Agency (USEPA)	Border 2020 Subgrant: \$100,000 Leverage: \$28,880	<p>Jorge Hernandez (NADB) jhernandez@nadb.org</p> <p>Francisco Lara-Valencia (ASU) Francisco.Lara@asu.edu</p> <p>Mari González (USEPA) gonzalez.mari@epa.gov</p>	<ul style="list-style-type: none"> Data integration and modeling using ArcGIS/Collaboration with SCC Public Works and IMIP Usage of Large soil absorption (LSA) system and application of GIS multi-criteria spatial modeling Effort will measure Stormwater yield, infiltration, and runoff at green infrastructure (GI) sites to estimate flows pre/post interventions, hydrographs at watershed and site levels. Application of landscape design and visualization software Systematic review of existing regulatory tools and practices. Dialogue and focus groups with stakeholders to gain insight of regulatory opportunities and incentives for GI adoption. Conduct two workshops and school-based programming (two demonstration projects) in collaboration with the staff in local middle schools in Nogales, Sonora and Nogales, Arizona. 	<ul style="list-style-type: none"> Preliminary model developed to simulate runoff, erosion, and sediment yields within the area covered by the LiDAR imagery. GI design and planning activities conducted in the fall of 2020 and 2021. GI workshop held in the region for local government and university representatives Several meetings held with ADEQ and the Santa Cruz County Flood Control District to receive input regarding project goals and activities, as well as to explore collaboration opportunities. Implemented environmental education activities in local schools to educate & promote information on regional water quality practices. 	Deliverable Achieved
Follow-up project on the "Ambos	Arizona State University (ASU),	TBD	Francisco Lara-Valencia (ASU) Francisco.Lara@asu.edu	<ul style="list-style-type: none"> Assist in the implementation of one green infrastructure (GI) project in 	<ul style="list-style-type: none"> ADEQ is working with ASU and COLEF on GI education project. In 2023 implemented 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

<p>Nogales Sustainable Strategies for Stormwater and Sanitary Sewer Overflows Control 2019 effort”</p>	<p>North American Development Bank (NADB), Environmental Protection Agency (USEPA) Arizona Department of Environmental Quality (ADEQ)</p>		<p>Gerardo Calza (NADB) gcalza@nadb.org</p> <p>Mari González (USEPA) gonzalez.mari@epa.gov</p> <p>Claudia Gil (ADEQ) Gil.claudia@azdeq.gov</p>	<p>the border communities of Ambos Nogales,</p> <ul style="list-style-type: none"> Project could be implemented either side of the border - Sep/2023 	<p>training workshop for design, construction, and maintenance of school rain gardens with funding from the U.S Consulate.</p> <ul style="list-style-type: none"> Summer 2024- in coordination with ASU team, Arizona Public Media News released <i>Tapped</i>, a podcast report on water issues in Nogales, Sonora https://originals.azpm.org/p/tapped3/2024/9/26/221985-nogales-reviving-arroyos-and-cultivating-water-resiliency/ 	
<p>Objective 6: Improve access to transboundary water quality data.</p>						
<p>Objective 6a: <i>Ensure sewage spill notification protocols are in place for all communities affected by transboundary flows of untreated sewage. A sewage runoff model will be developed for Tijuana by 2021. Spill notification protocols will be developed in three high priority watersheds by 2025</i></p>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
<p>Nogales notification protocol</p>	<p>International Boundary and Water Commission (IBWC),/ Comisión Internacional de Límites y Aguas (CILA)</p>	<p>In-kind (FTE time)</p>	<p>IBWC staff</p>	<ul style="list-style-type: none"> Establish a binational notification process for Nogales, AZ – Nogales, SN in the event of transboundary sewage spills notify and address spills in a timely manner. The information specifically is developed for all the utilities and agencies representatives located on both sides of the border so they can coordinate and collaborate to stop any spills. 	<ul style="list-style-type: none"> Established and implemented binational notification protocol Reporting protocols and agency staff roles are clearly defined and better prepared at a time of spills. 	<p>Deliverable Achieved</p>
<p>Objective 6b: <i>Increase awareness of beach contamination from marine debris and untreated sewage through modeling, monitoring (should focus on sources and types of marine debris) and special studies.</i></p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 6c: <i>Ensure that U.S. Section of the International Boundary and Water Commission (IBWC) website displays timely information on water quality in high-priority watersheds including the Lower Rio Grande/Bravo, the New River, the Santa Cruz River and the Tijuana River</i></p>						
<p>IBWC to maintain informational website to keep</p>	<p>International Boundary and Water Commission (IBWC)</p>	<p>Staff time</p>	<p>Adrian D. Cortez (IBWC) adrian.cortez@ibwc.gov</p>	<ul style="list-style-type: none"> IBWC staff maintains website: https://waterdata.ibwc.gov/Data/DataSet/Interval/Latest 	<ul style="list-style-type: none"> IBWC to maintain website 	<p>Significant Progress</p>

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

public informed on water quality				• Information provided in English		
Objective 6d: Continue the work of the binational water quality improvement plan as part of the Lower Rio Grande Water Quality Initiative in the Lower Rio Grande below Falcon international Dam						

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 3: PROMOTE SUSTAINABLE MATERIALS MANAGEMENT AND WASTE MANAGEMENT, AND CLEAN SITES						
Objective 1: By 2025, share information and experiences on sustainable materials management and resource efficiency practices with local and state-level institutions, tribal governments, and indigenous and Afro-Mexican communities						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Implement practices to safely dismantle scrap (end of life) vehicles, educational workshops, compliance assistance, and enforcement in Nogales, Sonora	Secretary of Urban Development and Ecology (SDUE) Municipality of Nogales, SN, North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	Border 2020 Subgrant: \$21,197 Leverage: \$11,353	Jorge Hernandez (NADB) jhernandez@nadb.org Adriana Guerrero (SDUE) adriana.guerrero@nogalessonor.a.gob.mx André Villaseñor (USEPA) Villasenor.andre@epa.gov	<ul style="list-style-type: none"> Identify and survey scrap vehicle business in Nogales, SN Implement workshop on best practices for scrap vehicle business adapted from USEPA end-of-life vehicle guidance. Provide compliance assistance to scrap vehicles business. Strengthen enforcement to prevent dumping associated with scrap vehicles. 	<ul style="list-style-type: none"> Completed document and site inventory of scrap vehicles sites in Nogales. Conducted Spanish-language workshop in Nogales with over 100 scrap yard owner/operators on best practices for vehicle dismantling. In 2020, due to COVID 19, virtual presentations on project efforts have been presented at several Task Force and Regional Workgroup Meetings. <i>Grant completed August 2021.</i> 	Deliverable Achieved
Adapt ADEQ's e-waste collection guidance for cities to Implement e-waste collection events, then implement e-waste collection events in three border cities in Sonora.	Centro de Asesoría Financiera y Emprendimiento Social de la Universidad de Sonora CAFES/USON (nonprofit associated with the University of Sonora, North American Development Bank (NADB) Commission of Ecology and Sustainable Development (CEDES), Environmental Protection Agency (USEPA)	USEPA,NADB Border 2020 Subgrant: \$34,170 Leverage: \$15,155	Jorge Hernandez (NADB) jhernandez@nadb.org Karina Lopez Ivich, IAMM (associate of CAFÉS/USON) karina.ivich@gmail.com André Villaseñor (USEPA) villasenor.andre@epa.gov	<ul style="list-style-type: none"> Adapt ADEQ e-waste collection guidance to safely implement ewaste collection events in Border cities - https://residuoselectronicos.cedes.gob.mx/ Implement three e-waste collection events in border cities in Sonora (Agua Prieta, Nogales, and San Luis Rio Colorado). 	<ul style="list-style-type: none"> Completed outreach to three municipalities to outline requirements for planning collection events. Developed materials to hold virtual workshops in winter of 2020, instead of in-person workshops as originally planned. In 2020, due to COVID-19, virtual presentation on project efforts have been presented at several Task Force and Regional Workgroup Meetings. <i>Grant completed in April 2021.</i> 	Deliverable Achieved
Development of a data hub and spoke regional recycling program	Arizona State University (ASU), Arizona Department of Environmental Quality	United States Department of Agriculture (USDA) Rural	JB Shaw (ADEQ) Shaw.joseph@azdeq.gov	<ul style="list-style-type: none"> After data has been collected from surveys and interviews and a cost-benefit analysis model has been developed, ASU and 	<ul style="list-style-type: none"> Designed a hub and spoke recycling program for rural communities. Provided technical assistance to rural communities through training and a cost- 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 3: PROMOTE SUSTAINABLE MATERIALS MANAGEMENT AND WASTE MANAGEMENT, AND CLEAN SITES						
feasibility study	(ADEQ)	Development Grant \$160,000		<p>ADEQ plan to utilize the model to design up to two regional centralized processing centers (hubs) in surrounding communities (spokes).</p> <ul style="list-style-type: none"> Recycling programs to include the city of Bisbee, AZ, thus creating a model for regional recycling processing centers within larger communities that serve as “hubs” to encourage smaller communities or “spokes” to deliver their recyclables to these hubs. 	benefit analysis tool to design up to 2 hub and spoke recycling systems (Pinetop/Bisbee).	
The production of the “Biggest Reducer” video series concentrates on educating communities on the importance of reducing and reusing instead of using single use products	Arizona Department of Environmental Quality (ADEQ)	ADEQ-Staff Time	JB Shaw (ADEQ) Shaw.joseph@azdeq.gov	<ul style="list-style-type: none"> Develop “Biggest Reducer” video series. Share video series with statewide communities. Add Spanish subtitles to the videos to reach a broader audience, which benefits communities in the US-MX border region. 	<ul style="list-style-type: none"> Completed a total of 13 videos. Added Spanish-language subtitles for outreach to Spanish-speaking communities in Arizona and partners in Sonora. 	Deliverable Achieved
Objective 2: Identify priority waste streams and develop sustainable materials management and resource efficiency practices that strengthen their respective market value						
<p>Objective 2a: Identify and measure priority waste streams by 2022 *There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 3: PROMOTE SUSTAINABLE MATERIALS MANAGEMENT AND WASTE MANAGEMENT, AND CLEAN SITES

Objective 2b. *Develop strategies or trainings to reduce illegal dumping, maximize material recovery, and promote environmentally sound disposal practices by 2025.*

Environmental and Health Awareness Campaign to prevent waste burning in Naco, Sonora	State of Sonora Environmental Attorney's Office (PROAES) North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	EPA B2025 \$38,531. Leveraging: \$ 39,531.	Mauricio Garcia (PROAES) mauriciogarcia@proaes.gob.mx Nidia Lagarda (PROAES) nidia.lagarda@sonora.gob.mx Jorge Hernandez (NADBank) jhernandez@nadb.org Villasenor, Andre Villasenor.Andre@epa.gov	<ul style="list-style-type: none"> The project will implement an environmental health and awareness program on the risks of burning toxic materials related to solid waste in coordination with municipality and nearby residents Effort includes an air quality assessment and completion of a Quality Assurance Project Plan (QAPP) Review of municipal solid waste management in Naco, Sonora 	<ul style="list-style-type: none"> PROAES staff have initiated program in coordination with ADEQ and NADBank representatives. Efforts include site visits to assess the municipality's waste management program and what type of trash is being burned. Upcoming meeting with Municipality and community residents to initiate environmental health campaigns. 	Initial Progress
--	---	---	--	---	---	------------------

Objective 3: By 2025, improve knowledge at every level of government (federal, state, local) to improve solid waste disposal site operations

Objective 3a: *By 2023, identify strategies to reduce illegal dumping and promote clean sites*

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Develop web-based application hosted by Municipality of Nogales, SN for citizens to report trash for trash clean-up prioritization.	Secretariat of Urban Development and Ecology (SDUE) of Municipality of Nogales, Sonora, Commission of Ecology and Sustainable Development (CEDES) North American Development Bank (NADB) USEPA,	Border 2020 Subgrant: \$37,500 Leverage: \$21,645.00	Jorge Hernandez (NADB) jhernandez@nadb.org Adriana Guerrero (SDUE) adriana.guerrero@nogalessonor.a.gob.mx Monica Moran (USEPA) moran.monica@epa.gov André Villaseñor (USEPA) Villasenor.andre@epa.gov	<ul style="list-style-type: none"> Develop trash application to identify trash sites and prioritize trash sites in Nogales, Sonora and conduct trash cleanups. Implement trash site cleanups. Community outreach and free collection of e-waste, tires, and furniture. Strengthen enforcement to prevent illegal dumping 	<ul style="list-style-type: none"> Completed clandestine dump inventory by engaging public reporting using WhatsApp notification and used information to complete 33 trash cleanups. Municipality used notifications to verify and map dumping locations to inform enforcement actions to prevent future dumping. Due to the pandemic, presentation on project efforts has been presented at several Task Force and Regional Workgroup Meetings. <i>Project completed in December 2021.</i> 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 3: PROMOTE SUSTAINABLE MATERIALS MANAGEMENT AND WASTE MANAGEMENT, AND CLEAN SITES						
<p>Objective 3b: <i>By 2025, identify strategies to reduce landfill fires.</i></p> <p>* There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 4: Prevent and Reduce Pollution in the Marine Environment.</p>						
<p>Objective 4a: <i>Promote solutions that involve identifying hotspots of litter accumulation in and around waterways, especially in shared watersheds, and build capacity for improving waste management systems and preventing leakage where necessary.</i></p> <p>*There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans</p>						
<p>Objective 5: On an annual basis, implement the Binational Consultative Mechanism on sharing information on border area hazardous waste facilities, spent lead acid battery and electronics recycling facilities.</p>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Implement the binational Consultative Mechanism	Environmental Protection Agency (USEPA), Secretariat of Environment and Natural Resources (SEMARNAT), and Department of Environmental Quality (ADEQ)	USEPA grant: In-kind.	Stephanie Adrian (USEPA) Adrian.stephanie@epa.gov André Villaseñor (USEPA) Villasenor.andre@epa.gov Joaquin Marruffo (ADEQ) Marruffo.joaquin@azdeq.gov Teodoro Paz (SEMARNAT) teodoro.paz@semarnat.gob.mx	<ul style="list-style-type: none"> Track and report new and established border area hazardous waste facilities (treatment, storage, and disposal), spent lead-acid batteries and electronics recycling facilities Update annually to report with the applicable Consultative Mechanism framework. 	<ul style="list-style-type: none"> On-going binational effort October 2024- Request for input to Program partners on the 2024 US-Mexico Border Consultative Mechanism was initiated by EPA Office of Land and Emergency Management (OLEM). Foresee update efforts to carry through 2025. EPA’s counterpart SEMARNAT (Secretariat of Environment and Natural Resources) has shared their information 	Significant Progress.

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GOAL 4: IMPROVE JOINT PREPAREDNESS FOR AND RESPONSE TO HAZARDOUS ENVIRONMENTAL EMERGENCIES						
Objective 1: Update the Joint Mexico-United States Contingency Plan (JCP) and evaluate the emergency notification system along the border of Mexico and the United States						
<i>Objective 1a: In 2021, the JCP notification system should be reviewed and updated to assess its operability and incorporate possible protocol changes and new technological developments</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Begin review of JCP for administrative updates	US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil	Staff time	Jane Kepler (USEPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx Gerardo Romo (Douglas Fire) gerardo.romo@douglasaz.gov Proteccion Civil, TBD	<ul style="list-style-type: none"> Second review for more substantial changes Review JCP for updates, finalize and jointly sign JCP 	<ul style="list-style-type: none"> Review, update, and finalize US-Mexico Joint Contingency Plan 	Initial Progress
<i>Objective 1b: By the year 2022, a revised and updated version of the JCP will be finalized, including any changes and / or modifications of the participating parties (names, affiliations, etc.) of the governmental structure of both countries</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Update and finalize JCP	US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Staff time	Jane Kepler (USEPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx	<ul style="list-style-type: none"> Initial process of reviewing JCP for simple administrative updates 	<ul style="list-style-type: none"> Review, update, and finalize US-Mexico Joint Contingency Plan 	Initial Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

			Gerardo Romo, Douglas Fire gerardo.romo@douglasaz.gov			
Proteccion Civil TBD						
Objective 1c: As part of the evaluation of the operability of the JCP notification system, each country should conduct at least 40 annual chemical emergency notification drills through the National Center of Communication (CENACOM) in Mexico, and the National Response Center (NRC) in the United States						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Conduct emergency notification drills.	US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Staff time	Jane Kepler (USEPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx Proteccion Civil, Gerardo Romo, Douglas Fire gerardo.romo@douglasaz.gov	<ul style="list-style-type: none"> At least 40 drills completed. 	<ul style="list-style-type: none"> Ensure that the notification system works efficiently. 	Moderate Progress
Objective 2: Review, update and evaluate the Sister City Joint Contingency Plans (SCJCPs).						
Objective 2a: By 2021, a study of the 15 SCJCPs should be completed utilizing existing risk analysis data. This study must consider, among other aspects, the SCJCP's content and scope.						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
ASU Study: Borderwide Study to Evaluate 6 Sister City Joint Contingency	North American Development Bank (NADB), Arizona State University (ASU), US Environmental Protection	Border 2025 Program Subgrant: \$63,224	Jane Kepler (USEPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov	<ul style="list-style-type: none"> Conduct a minimum of two virtual SCJPC evaluation criteria development meetings with Stakeholders Prepare a SCJCP Evaluation 	<ul style="list-style-type: none"> Study provided the necessary Information to provide a recommended SCJCP template 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Plans	Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co- Chairs		<p style="text-align: center;">Al Brown, (ASU) al.brown@asu.edu</p> <p style="text-align: center;">Carlos Ortiz (PROFEPA) carlos.ortiz@profepa.gob.mx</p> <p style="text-align: center;">Gerardo Romo, Douglas Fire gerardo.romo@douglasaz.gov</p> <p style="text-align: center;">Proteccion Civil, TBD</p>	Report.	
-------	---	--	--	---------	--

Objective 2b: *By the year 2022, a joint study should be carried out in the border region aimed at adjusting the number of Border Sister Cities that are members of the JCP*

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
ASU Study: Borderwide Study to Evaluate 6 Sister City Joint Contingency Plans	North American Development Bank (NADB), Arizona State University (ASU), US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Border 2025 Program Subgrant: \$63,224	<p>Jane Kepler (USEPA) Kepler.jane@epa.gov</p> <p>Bill Jones (USEPA) Jones.bill@epa.gov</p> <p>Al Brown (ASU) al.brown@asu.edu</p> <p>Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx</p> <p>Gerardo Romo (Douglas Fire) gerardo.romo@douglasaz.gov</p> <p>Proteccion Civil, TBD</p>	<ul style="list-style-type: none"> Conduct a minimum of two virtual SCJPC evaluation criteria development meetings with Stakeholders Prepare a SCJCP Evaluation Report. 	<ul style="list-style-type: none"> Study provided the necessary Information to provide a recommended SCJCP template 	Deliverable Achieved

Objective 2c: *Based on the results of the sister city JCP Study, the updated SCJCP's must be promoted to the corresponding stakeholders (Regional Groups, NADB, etc.) during the Border 2025 Environmental Program. The actions carried out in this objective will be aimed at achieving the update of the 15 SCJCP's between 2020 to 2025*

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Prerequisite ASU Study: Borderwide Study to Evaluate 6 Sister City Joint Contingency Plans	North American Development Bank (NADB), Arizona State University (ASU) US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil AZ-Sonora Task Force Co-Chairs	Border 2025 Program Subgrant: \$63,224	Jane Kepler (USEPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov Al Brown (ASU) al.brown@asu.edu Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx Gerardo Romo (Douglas Fire) gerardo.romo@douglasaz.gov Proteccion Civil, TBD	<ul style="list-style-type: none"> Will wait for ASU study to be completed as it is foundational to promoting SCJCP updates 	<ul style="list-style-type: none"> Assessment of six sister-city plans was completed in mid-2023. Next steps may include an opportunity consider next steps for SCJCP 	Deliverable Achieved
<p>Objective 2d: <i>In order to evaluate the SCJCP, each country must conduct at least three annual field drills in the Sister Cities located in the Mexico - United States border region, ensuring a joint response is carried out. Prior to conducting the drills, the participating staff must be trained through the delivery of binational seminars</i></p>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
ASU Study: Borderwide Study to Evaluate 6 Sister City Joint Contingency Plans	North American Development Bank (NADB), Arizona State University (ASU), US Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Border 2025 Program Subgrant: \$63,224	Jane Kepler (EPA) Kepler.jane@epa.gov Bill Jones (USEPA) Jones.bill@epa.gov Al Brown (ASU) al.brown@asu.edu Carlos Ortiz, (PROFEPA) carlos.ortiz@profepa.gob.mx Gerardo Romo (Douglas Fire)	<ul style="list-style-type: none"> Conduct four virtual seminars on SCJCP notification requirements in four Sister City locations. Conduct four virtual SCJCP notification drills in four different Sister City locations. Produce four After Action Reports/Improvement Plans for the notification drills. 	<ul style="list-style-type: none"> Four virtual seminars, four virtual SC Notification drills, and produce after-action reports 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

			gerardo.romo@douglasaz.gov ; Proteccion Civil, TBD			
Objective 3: Strengthen the training of emergency response personnel through the development of in-person or online training courses by creating a certificate of skills recognized by corresponding authorities. Additionally, develop and disseminate technical support material to help inform the public in case of emergency.						
<i>Objective 3a: In coordination with the Regions, a Sister City Training Program should be developed during the year 2021 and implemented throughout the Border 2025 program. The Training Program should focus on course offerings that result in certifications to enhance the competency of emergency responders</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Utilize trainings to develop list of course offerings that would satisfy the program requirements. Use list to better inform responders of training needs	Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Staff time	Bill Jones, (USEPA) Jones.bill@epa.gov Carlos Ortiz (PROFEPA) carlos.ortiz@profepa.gob.mx Proteccion Civil, TBD	<ul style="list-style-type: none"> Deliver a variety of trainings to prepare a well-rounded cadre of responders along the border Determine courses and trainings that could be recommended to improve preparedness 	<ul style="list-style-type: none"> Develop list of approved trainings and certifications Deliver training in Nogales and Aqua Prieta. Produce after Action report. 	Significant Progress
<i>Objective 3b: At least three annual seminars, workshops and/or coordinated courses should be conducted between the two countries on topics including chemical substances, risk and consequences analysis, and emergency management.</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Determine seminar/workshop needs and deliver at least three coordinated courses	Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Staff time	Bill Jones, (USEPA) Jones.bill@epa.gov Carlos Ortiz (PROFEPA) carlos.ortiz@profepa.gob.mx Proteccion Civil, TBD	<ul style="list-style-type: none"> At meeting held March 16, 2022, both parties agreed to explore coordinated workshops 	<ul style="list-style-type: none"> Determine content and conduct 1st workshop. 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Objective 3c: In order to complement the training opportunities, audiovisual material and online courses focused on prevention and response to chemical emergencies should be made available at the border.						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Develop website and training materials	Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, AZ-Sonora Task Force Co-Chairs	Staff time	Bill Jones, (USEPA) Jones.bill@epa.gov Carlos Ortiz (PROFEPA) carlos.ortiz@profepa.gob.mx AZ/SON Task Force Co-Chairs, Proteccion Civil, TBD	<ul style="list-style-type: none"> Created online website that can be used for resources at Response.epa.gov. Gather additional training materials to add to website Regularly update website for future training opportunities 	<ul style="list-style-type: none"> Create online web location for course materials and training opportunities (Response.epa.gov) 	Initial Progress
Objective 4: Design and implement the guidelines and protocols to ensure rapid, safe, and legal passage of personnel and materials across the Mexico – United States border in emergency response situations						
Objective 4a: By 2021, an action plan should be developed to address respective liability coverage of each country to facilitate the movement of people and materials across the border during drills or emergency events						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Initial consultation with Border Patrol and U.S. Coast Guard (USCG)	Environmental Protection Agency (USEPA), Federal Attorney General's Office for Environmental Protection (PROFEPA), Proteccion Civil, Customs and Border Patrol	Staff time	Jane Kepler (EPA) Kepler.jane@epa.gov Eugene Lee (EPA) Lee.eugene@epa.gov Carlos Ortiz (PROFEPA) carlos.ortiz@profepa.gob.mx	<ul style="list-style-type: none"> Initial outreach to CBP for contact Meet with CBP and other parties to determine feasibility of an MOU for responders. Agreement or MOU with CBP to allow for improved transit across border 	<ul style="list-style-type: none"> Agreement or MOU with CBP to allow for improved transit across border 	Initial Progress
Objective 4b: By 2022, each country should complete a report on the status of transboundary movement of human and material resources during emergencies, as well as the current and future actions that are being carried out * There are currently no active projects under this objective for the 2021-2023 cycle. Past action plans are available at: https://www.epa.gov/border2020/region-9-action-plans						

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

GUIDING PRINCIPLES AND CROSS CUTTING MEDIAS

Air quality and asthma actions

Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Environmental and Health awareness Campaign to prevent waste burning in Naco, Sonora	State of Sonora Environmental Attorney's Office (PROAES) North American Development Bank (NADB), US Environmental Protection Agency (USEPA)	EPA B2025 \$38,531. Leveraging: \$ 39,531.	Mauricio Garcia (PROAES) mauriciogarcia@proaes.gob.mx Nidia Lagarda (PROAES) nidia.lagarda@sonora.gob.mx Jorge Hernandez (NADBank) jhernandez@nadb.org Anthony Isham (EPA) isham.anthony@epa.gov	<ul style="list-style-type: none"> The project will implement an environmental health and awareness program on the risks of burning toxic materials related to solid waste in coordination with municipality and nearby residents Effort includes an air quality assessment and completion of a Quality Assurance Project Plan (QAPP). Review of municipal solid waste management in Naco, Sonora for better long-term planning, 	<ul style="list-style-type: none"> PROAES staff have initiated program in coordination with ADEQ and NADBank representatives. Efforts include site visits to assess the municipality's waste management program and what type of trash is being burned. Upcoming meeting with Municipality and community residents to initiate environmental health campaigns. 	Initial Progress
USEPA State Environmental Justice Collaborative Agreement (SEJCA)	Tohono O'odham Nation (TON) Departments: Environmental Protection Office, Natural Resources Department and Solid Waste Regulatory Office 11 Tohono O'odham Nation Districts TON Elders, TON Youth, Environmental Protection Agency (US EPA)	USEPA SEJCA 2021 Award: \$199,781	Cornelius Antone (TON) cornelius.antone@tonation-nsn.gov Alan Bacock (USEPA) bacock.alan@epa.gov	<ul style="list-style-type: none"> Report on the conditions of roads and impact on air quality Development of 11 district/community-based plans to improve air quality 15 miles of road repaired and planting of vegetation along 25 miles of roadways Creation and distribution of informational brochures Bi-monthly meetings in each of the 11 districts. 	<ul style="list-style-type: none"> Progress has been slowed due to COVID-19 and internal staffing challenges. Identified 10.76 miles of dirt roads in the San Xavier District for dust mitigation. Engaged with San Xavier District leadership, Sells community and conducted other community outreach events on project goals, air quality monitoring plan and dust suppression strategies. Met with the Tohono O'odham Planning Office which has taken initiative to mitigate some of the roads which have been identified for dust suppression. Connected with the San Simon Community Representative to schedule 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					a time to meet with their community regarding the project.	
<i>Integrated pest management (IPM) and pesticide exposure actions</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Pest related pollution prevention & emergency preparedness through integrated pest management (IPM) education and tribal partnerships in Arizona	University of Arizona; Inter Tribal Council of Arizona, Inc. (ITCA); Tohono O’odham Nation; Cocopah Tribe; Pascua Yaqui Tribe; Arizona Department of Health Services; HUD - StopPests in Housing; Regional Center for Border Health, Inc; Indian Health Services; Tribal Health Department,	USEPA, NADB Border 2020 Subgrant: \$99,974 Leverage: \$46,001	Jorge Hernandez (NADB) jhernandez@nadb.org Shujuan (Lucy) Li (UA) LiSj@cals.arizona.edu Jessica Helgesen (USEPA) Helgesen.jessica@epa.gov	<ul style="list-style-type: none"> • Form three advisory committees. • Implement three environmental health workshops based on Tribe’s priorities. • Deliver three trainings (one per Tribe) to enhance pest related emergency preparedness including disease vectors like brown dog ticks and mosquitoes. • ITCA’s will assist tribes with planning, preparing, & responding to emergencies involving public health, hazardous materials, & other hazards. • Three publications + other environmental health resources as the Natural Enemies Field Guide will be translated into Spanish. 	<ul style="list-style-type: none"> • Led three virtual meetings to develop three advisory committees. • Developed and deployed one knowledge, attitude, and practices survey on assessing pest issues, mosquitoes, ticks, pesticides. Tribal participants noted an 80% increase in knowledge of pests and IPM. • Conducted 6 onsite field visits with partner tribes on mobile rabies clinic and neighborhood trash clean ups. •Treated 2,000+ dogs with rabies vaccination and inspected 1,100+ dogs for brown dog ticks-some installed tick collars. •Delivered 11 presentations to tribal communities, reaching 539 participants. •Contributed to or created IPM 10 videos (659 views) and 10 online presentations available online (835 views). • Organized 8 workshops/outreach for 483 tribal participants with partner tribes. • Facilitated 9 virtual trainings with EPA, including 189 AZ attendees. • Delivered 21 continuing education units in 13 meetings/courses for 514 pesticide applicators, some of whom serve tribes. • 52 publications distributed to our partner tribes and tribal members: 11 public service announcements, 3 social media postings, and 38 Extension publications such as brochures, trifold, infographic fact sheets, 2-page IPM 	Deliverable Achieved

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					<p>shorts, monthly newsletters, etc. Included 2 IPM newsletters on how to disinfect COVID-19 and facemask safety. •Translated the Natural Enemies Field Guide into Spanish. • Presented at the Region 9 USEPA Tribal Conference in October 2021 with USEPA https://acis.cals.arizona.edu/community-ipm/public-health-ipm/epa-border-2020</p>	
Environmental Health Capacity Grant Component A	Arizona Department of Human Health Services (ADHS), Centers for Disease Control and Prevention (CDC), Arizona Department of Occupational Safety, Poison Control Centers, Arizona Department of Agriculture AHCCCS, Health care Providers	CDC: Funding Applies Statewide, \$40k	Niki Lajevardi-Khosh (ADHS) niki.lajevardi-khosh@azdhs.gov	<ul style="list-style-type: none"> Establish state-based pesticide surveillance program; improve and enhance pesticide illness prevention strategies Implement 5-year CDC grant to improve pesticide and adult blood lead poisoning surveillance 	<ul style="list-style-type: none"> Reviewing pesticide surveillance protocols, working with Poison Control to ensure data entry. Exploring data to identify target populations and intervention strategies 	Moderate Progress
Environmental Health Capacity Grant Component B	Arizona Department of Health Service (ADHS), CDC Department of Health Services Laboratory, University of Arizona Cooperative Extension Offices	CDC for lead poisoning prevention: Grant funding for statewide efforts for lead poisoning prevention; in-kind from state laboratory and other ADHS program support	Niki Lajevardi-Khosh (ADHS) khosh@azdhs.gov	<ul style="list-style-type: none"> Test private well water samples from all Arizona Counties by end of 2025 	<ul style="list-style-type: none"> Completed around 300 tests of private well owners in the first year Border Region Counties tested include so far: Cochise and Yuma. ., 	Moderate Progress
<i>Multi-topic environmental health actions (IPM, IAQ, vector-borne, asthma-related, lead poisoning, children’s health, Healthy Homes, etc.)</i>						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

<p>EJ Collaborative Problem Solving (CPS) Cooperative Agreement</p>	<p>Environmental Protection Agency (USEPA), Bisbee Science Exploration and Research Center (BSERC)</p>	<p>USEPA Cooperative Agreement/Assistance Agreement for \$150,000</p>	<p>Noemi Agagianian (USEPA) Agagianian.noemi@epa.gov</p>	<ul style="list-style-type: none"> • This effort builds off of BSERC's Backyard Project, which seeks to develop a regenerative learning ecosystem and public space in a roughly 8-acre backyard yard in collaboration with the Bisbee Unified School District, Copper Queen Library, and local community. • Prototypes and final designs for five field stations that will focus on the most pertinent environmental issues in our community (water, agriculture, mining reclamation, renewable energies, and one other emerging issue) • Activities includes 3-4 Community Engagement events with community members and interested parties to give input on field station designs before finalization. • Participants include 5-7 Students on Youth Advisory Council • 7-10 Teachers on Education Advisory Council 	<ul style="list-style-type: none"> • The Bisbee Science Exploration and Research Center (BSERC) has been awarded the Environmental Justice Collaborative Problem Solving (CPS). 	<p>Initial Progress</p>
<p>Cochise County, AZ Brownfields Assessment and Revolving Loan Fund (RLF) grants</p>	<p>Environmental Protection Agency (USEPA), Cochise County, Development Services Department</p>	<p>USEPA Assessment Grant: \$500,000 RLF Grant: \$1,000,000 Both grants</p>	<p>Scott Stollman (USEPA) Stollman.scott@epa.gov</p>	<ul style="list-style-type: none"> • Efforts to revitalize vacant and underused properties in the County. • Conduct environmental assessments – ~11 Phase 1 and ~5 Phase 2 - for Brownfield sites throughout Cochise County. • Develop reuse plans/area-wide 	<ul style="list-style-type: none"> • Both grants are just getting started. • Site inventory was updated, and grantee and partners assessing high priority properties. • Several Phase I and Phase II Environmental Assessments completed. • Area-wide plan initiated for City of 	<p>Significant Progress</p>

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

		awarded in 2023.		plans to redevelop brownfields properties, including ABCAs <ul style="list-style-type: none"> • Provide low interest loans and/or subgrants to cleanup brownfields sites in the County. 	Douglas. <ul style="list-style-type: none"> • In very early stages of setting up RLF program. 	
Tribal response program grant	Environmental Protection Agency (USEPA), Tohono O'odham Tribal Nation	USEPA 128a Grant	Jose Garcia (USEPA) Garcia.jose@epa.gov	<ul style="list-style-type: none"> • Maintain emergency response and Brownfields training for capacity building. • Provide technical assistance on environmentally compromised property. 	<ul style="list-style-type: none"> • Progress has been slowed due to COVID-19 and internal staff challenges. • The Nation is receiving technical assistance to assess an environmentally compromised property that the Nation is considering acquiring 	Moderate Progress
Town of Ajo Land revitalization technical assistance	USEPA, State of Arizona, Pima County	TBD	Scott Stollman (USEPA) Stollman.scott@epa.gov	<ul style="list-style-type: none"> • USEPA initiating efforts to work with the State and the County to share details of our technical assistance to see if their interested in any of the resources. 	<ul style="list-style-type: none"> • Progress to be assessed • As a result of outreach, a nonprofit in Ajo, Arizona submitted an application for a FY24 EPA Brownfields grant. Proposal is currently being evaluated. Selections expected to be announced in May 2024 	Initial Progress
City of Yuma Brownfields assessment grant	USEPA, City of Yuma	USEPA Brownsfield Grants \$400,000	Scott Stollman (USEPA) Stollman.scott@epa.gov	<ul style="list-style-type: none"> • City of Yuma selected for a brownfields assessment grant in 2021 in the amount of \$600,000. • Grant funds will be used to conduct approximately 8 Phases I and 6 Phase II environmental site assessments. • Grant funds will also be used to inventory sites and support cleanup planning, area-wide planning, reuse planning, and community outreach activities. • Grant efforts will focus on assessing various properties near the anticipated site(s) of their Innovation Center & Hub 	<ul style="list-style-type: none"> • On-going effort in coordination with City of Yuma representatives • Several Phase I environmental assessments have been completed. • Community engagement has been initiated to solicit public input to inform the planning for the Yuma Innovation Center & Hub on former brownfields sites. 	Initial Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Implement lead poisoning prevention program targeting physicians to increase screening rates of children in Arizona	Arizona Department of Health Service (ADHS) CDC, AHCCCS, Health care Providers	CDC for lead poisoning prevention: Grant funding for statewide efforts for lead poisoning prevention	Ginny De La Cruz, (ADHS) ginny.delacruz@azdhs.gov	<ul style="list-style-type: none"> • Increase lead screenings of at-risk children at 12 and 24 months of age. • Increase identification of lead poisoning source for families of children with elevated blood lead levels. • Finalize 2020 Annual Surveillance Report. • Improve use of surveillance system data to capture missing data on child demographic and follow-up information * Decrease disparities in blood lead levels by race/ethnicity and socioeconomic status 	<ul style="list-style-type: none"> • ADHS is working on updating target screening guidelines and creating a toolkit for providers. • Towards the end of 2022, purchased an XRF which will allow easier identification of lead during environmental investigations. In 2023, 15 investigations were completed and in 2024 they are aiming to complete 20. • Both 2020 and 2021 annual reports have been published to the website. The 2022 annual report will be published in the spring. • The team is collaborating with the State Systems Development (SSDI Epi) Initiative Program to develop linkages of childhood lead data with other Maternal and Child health data resources. • New Educational video for families on childhood lead poisoning was developed and is available in both English and Spanish: English: https://youtu.be/jG8EBggKZHE Spanish: https://youtu.be/VBUWQ8maKtw • 2020 Surveillance report will be publish in April of 2022 • AZ was a recipient of the WIN Grant and is continuing to test water samples in Charter Schools across the state. • Program is working to develop culturally appropriate materials for recently arrived refugees who have children with elevated blood lead levels. 	Significant Progress
Lead testing in drinking water funded through WIIN Grant	Arizona Department of Health Service (ADHS) Environmental Protection Agency (USEPA)	USEPA WIIN Grant	Ginny De La Cruz, (ADHS) ginny.delacruz@azdhs.gov	<ul style="list-style-type: none"> • Provide free lead testing in drinking water for schools and childcare facilities. 	<ul style="list-style-type: none"> • 222 charter schools, 92 childcare facilities, and 14 public schools have enrolled in the program. • 328 facilities have had their water tested, 14 have had samples that exceed the action limit of 15 ppb. 	Initial Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

City of South Tucson Brownfields Assessment Grant	Environmental Protection Agency (USEPA), South Tucson	USEPA Brownsfield grant \$300,000	Scott Stollman (USEPA) Stollman.scott@epa.gov	<ul style="list-style-type: none"> Community-wide grant funds will be used to conduct 13 Phases I and six Phase II environmental site assessments. Grant funds also will be used to develop three cleanup plans and a comprehensive brownfields redevelopment plan, and support community outreach activities. Assessment activities will focus on the city's Central Business District and the Fourth Avenue and Sixth Avenue business corridors, which have Qualified Opportunity Zones. Priority sites include a 0.6-acre apartment and trailer complex and a 10.4-acre vacant dog racing track 	<ul style="list-style-type: none"> Efforts for this project were delayed due staff changes, Moderate progress has been made in the last year. 	Moderate Progress
Implement SunWise School Program in Arizona Public Schools for grades K-8 to teach sun safety using USEPA SunWise curriculum	Arizona Department of Health Service (ADHS), CDC	CDC block grant, Prevention and Public Health Fund: Funding Applies Statewide	<p>Mya Davis (ADHS) mya.davis@azdhs.gov</p> <p>Sergio O. Perez (ADHS) Sergio.Perez@azdhs.gov</p>	<ul style="list-style-type: none"> USEPA SunWise curriculum materials are promoted and distributed in schools. School Presentations offered to schools. The program also distributes and promotes sun safety information through its annual sun safety poster contest, which reaches students in Arizona (AZ) AZ Border Counties: Boosting educational assistance via materials and assembly requests. 	<ul style="list-style-type: none"> Between 2021 and 2023, the Program hosted 71 sun safety activities for youth (presentations and exhibits) and 18 events for educators, parents, and outdoor workers. Between 2021 and 2023, the SunWise Program provided education to 1208 adult outdoor workers through 13 presentations and exhibits. Between 2021 and 2023, the Program held 3 poster contests and had a total of 2195 student participants. In 2023, the SunWise Program developed and implemented a social media campaign. In 2023, the program reached 79,023 individuals with 59 educational sun safety posts. In 2023, the SunWise Program updated materials and conducted outreach regarding materials, events, and the curriculum, resulting in 3122 web visitors. 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					<ul style="list-style-type: none"> • Due to COVID-19, there were no in person events in 2020, instead virtual presentations were advertised. • The program held a virtual sun safety webinar on May 7,2020 through the Healthy Arizona Worksites Program which was promoted throughout the state and targeted outdoor workers. • Due to the lack of outreach opportunities this year, the program instead focused on developing an online video on skin cancer prevention and developing a teacher's guidebook to distribute to schools. 	
Implement an Extreme Weather and Public Health Program to develop a climate and health adaptation plan in response to extreme weather and climate-sensitive public health hazards	ADHS, CDC, University of Arizona Cooperative Extension	CDC Building Resilience Against Climate Effects (BRACE): Funding Applies Statewide: \$400k Annually (2021--2026)	Hsini Lin (ADHS) Hsini.Lin@azdhs.gov	<ul style="list-style-type: none"> • Maintain and enhance website with resources for partners which includes safety information on extreme weather and reports such as the Arizona Climate and Health Adaptation Plan, Vulnerability Assessment Report. • Engage stakeholders and work to raise climate as a priority throughout the state with plans to expand efforts to more counties • Fund 2 County Health Department (2 largest county populations: Maricopa and Pima) in partnership with Arizona State University and University of Arizona for two projects: evaluation of cooling centers to protect heat vulnerable populations and second is to develop new county climate and health strategic plans 	<ul style="list-style-type: none"> • Maintained Extreme Weather Website: https://www.azdhs.gov/search/index.php?q=https%3A%2F%2Fazdhs.gov%2Fpreparedness%2F%20epidemiology-disease-control%2Fextremeweather%2Findex.php%20%20with%20climate%20 with climate and health reports to inform public on health-related actions. • Extreme Weather page -maintained heat, cold and wildlife safety topics. New surveillance report which covers border counties released for 2019 data. • Three Counties Issued Funding in 2020 (Maricopa, Pinal, and Yuma) and Two Counties Issued Funding for 2021 (Maricopa and Yuma). Pima and Pinal had to withdraw due to COVID-19 priorities. • Facilitated 2020 State Heat Season Recap Webinar in Place of State Heat Preparedness Workshop (125 participants) Virtual meeting needed due to COVID-19 • Aided in developing and publishing cooling center maps with Yuma County Public Health for 2020 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Implement private well owner drinking water and health education program	ADHS, CDC, University of Arizona Cooperative Extension	CDC Safe Water for Community Health Cooperative Agreement: Funding Applies Statewide \$130k Annually (2015-2020)	Niki Lajevardi-Khosh (ADHS) niki.lajevardi-khosh@azdhs.gov	<ul style="list-style-type: none"> 6 Workshops throughout AZ planned to be held between October 2019-September 2020 	<ul style="list-style-type: none"> Moved in-person workshops to virtual workshops in 2020 due to COVID-19. All 6 planned were completed. Grant funding extended through no-cost extension through 2021 to finish tasks delayed due to COVID-19. Extended time period will be used to provide free well water tests to 400 residents before September 2021. Future testing will be carried on by the CDC Environmental Health Capacity grant. Grant completed - Project completed its grant cycle and is funded under a new grant (EHCB) 	Deliverable Achieved
Implement an Environmental Public Health Tracking Program to provide accessible environmental and health data for aiding public health actions	ADHS, CDC, AZ County Health and other State Departments, Local universities (Arizona State University, University of Arizona, and Northern Arizona University), ADEQ	CDC Environmental Public Health Tracking Cooperative Agreement: Funding Applies Statewide \$607k Annually (2017-2022)	Niki Lajevardi-Khosh (ADHS) niki.lajevardi-khosh@azdhs.gov	<ul style="list-style-type: none"> ADHS maintains program website: Arizona Environmental Public Health Tracking (EPHT) website: https://azdhs.gov/preparedness/epidemiology-disease-control/environmental-health/environmental-public-health-tracking/index.php Website viewers can learn about environmental hazards in the state that could impact health using the sites interactive tool. such a looking at air quality with respiratory issues such as asthma. The website features additional Arizona specific data not available on CDC's Tracking Portal. Data can also be downloaded, shared, and printed. ADHS will be working with CDC and partners within the state to expand the data available and add new features to the website. 	<ul style="list-style-type: none"> Maintained and expanded an interactive tool with environmental health data that can be viewed as maps, charts, and graphs Published additional years of data: 1) emergency department and hospitalization inpatient admission data on chronic obstructive pulmonary disease (COPD), carbon monoxide poisoning, and asthma (2005-2019); 2) sub-county level data on asthma and COPD ED visits and hospitalizations (2010-2021) 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Asthma Home Visiting Services among Tribal Communities along the Arizona - California Border	Regional Asthma Management and Prevention (RAMP), National Center for Healthy Housing, EPA's Indoor Environments Division	B2025 \$75,000	Joel Ervice Joel@rampasthma.org Chantal Lee Lee.Chantal@epa.gov	<ul style="list-style-type: none"> develop tools, training, and technical assistance on sustaining in-home asthma interventions, targeting a national audience of asthma stakeholders 	<ul style="list-style-type: none"> Conducted select interviews to learn about current understanding of asthma home visiting programs among border tribes Meet with key partners and develop list of tribal representatives 	Initial Progress
Lead poisoning prevention actions						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Held Annual Arizona Sanitarians' Conference to provide continuing education to Registered Sanitarians statewide	ADHS, AZ County Health Departments, Indian Health Service, Arizona Environmental Health Association (AZEHA), National Environmental Health Association (NEHA)	State Funds	Heather Miller (ADHS), Heather.Miller@azdhs.gov	Provided 14 continuing education hours in two-day educational conference.	<ul style="list-style-type: none"> 2021 Conference conducted virtually, via Zoom platform. 240 attendees registered statewide, including those from Cochise, Pima, Santa Cruz, and Yuma Counties. Presentations were later provided on ADHS website. 	Deliverable Achieved
COVID-19 response assistance provided to facilities and general public	Arizona Department of Health Service (ADHS)	State Funds	Heather Miller (ADHS) Heather.Miller@azdhs.gov	<ul style="list-style-type: none"> Covid safety requirements implemented for public facilities such as restaurants, bars, and nightclubs. On site assistance provided when necessary, including at the Arizona State Prison Complex-Yuma. 	<ul style="list-style-type: none"> On-site assistance has slowed, but COVID guidance and sanitation resources are sent to facilities with every inspection report. 	Significant Progress
Inspections conducted in Border Counties	Arizona Department of Health Service (ADHS)	State Funds	Heather Miller(ADHS) Heather.Miller@azdhs.gov	<ul style="list-style-type: none"> Food Safety inspections conducted at prisons statewide, behavioral health facilities in Pima, Santa Cruz, and Yuma Counties, and produce warehouses in Santa Cruz County. 	<ul style="list-style-type: none"> Ensured cleanliness and safe food handling procedures in licensed facilities in Border Counties (as well as statewide). On-going yearly inspections. 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Community Lead Awareness Trainings	Environmental Protection Agency (USEPA)	Lead Based Paint Program Funds	<p>Natalie Long Long.natalie@epa.gov</p> <p>Angela Baranco Baranco.angela@epa.gov</p> <p>Anthony Isham Isham.anthony@epa.gov</p>	<ul style="list-style-type: none"> • Provide “Lead awareness trainings” trainings to community members • Provide “Train the trainers” sessions to community leaders and health workers 	<ul style="list-style-type: none"> • Future session with AZDHS planned for January/February 2025 • Train the trainers session occurred on August 30 in coordination with Campesinos sin Fronteras • Initial outreach to ADEQ, ADHS, the COBINAS, and local NGOs has been conducted • Follow up to schedule training sessions will be conducted 	Significant Progress
Cross Media Efforts for Border 2025 Outreach						
Description of Action	Collaborating Organizations	Cost and Source	Lead Points of Contact	Target Outputs	Current Results	Status
Expand knowledge on Border 2025 and increase Environmental Health Awareness along US/MX Border in the Arizona- Sonora Border region USEPA	USEPA -Tribal Intergovernmental and Policy Division	USEPA (Staff time)	<p>Jessica Helgesen (USEPA) Helgesen.jessica@epa.gov</p> <p>Lorena Lopez-Powers (USEPA) Lopezpowers.lorena@epa.gov</p> <p>Anthony Isham (USEPA) isham.anthony@epa.gov</p>	<ul style="list-style-type: none"> • Conduct Outreach to communities on environmental health and environmental justice through Border 2025 • Ongoing 	<ul style="list-style-type: none"> • Environmental Health/EJ Session held during Regional Task Forces meeting in Nogales, Sonora – included DIY air filter workshop. • Held an Environmental Health session during the Arizona-Sonora Task Force Meeting in Douglas, Arizona (November 2023). The session included a panel of four environmental health/environmental education professionals. • Conducted a hybrid community check-in focused on climate and environmental justice in Sahuarita with support of the Tohono O’Odham Nation and the Arizona Department of environmental Quality. • Lead poisoning awareness and Pediatric 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					<p>environmental Health toolkit information was included in recent Fall 2023 Newsletter.</p> <ul style="list-style-type: none"> • On 5/19/21 presented on Environmental Health, Environmental Justice, Border 2020/5 in Spanish at the Binational Health Council Ambos Nogales-COBINAS (~20 people) • 1st University of Arizona- CIAD Binational workshop for Vector borne and zoonotic disease research. EPA shared information on potential funding opportunities and identified priorities. Priorities include pesticide resistance, climate change impacts and vulnerability/social determinates of health related to vector borne and zoonotic diseases. Reached over 70 participants. • April 2022-Provided Border 2025 information to Ambos Nogales COBINA meeting and included link on upcoming program meetings 	
Regional Work Group Planning Sessions	USEPA -Tribal Intergovernmental and Policy Division	Staff time	Lorena Lopez-Powers (USEPA) Lopezpowers.lorena@epa.gov	<ul style="list-style-type: none"> • Organize regional workgroup meetings with Program partners to discuss goals and objectives of border program • Discussion to include regional priorities and on-the-ground efforts to advance environmental benefits to border communities 	<ul style="list-style-type: none"> • June 2024, Program partners implemented five binational hybrid meetings in the city of Nogales, Sonora. Efforts included the signing of a new multi-media project being implemented in the city of Naco, sonora addressing illegal burning of solid waste, impacting air quality and community residents of Ambos Nacos. Effort is being implemented in coordination with the North American Development Bank (NADBank) and PROAES of the state of Sonora. • The June 2024 session included an Environmental Justice (EJ) “Community Check-in” session which included the participation of Regional Administrator Martha Guzman and local community 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					<p>representatives who requested better access to EJ related information.</p> <ul style="list-style-type: none"> • In 2023, the Arizona/Sonora Regional Coordinators hosted 5-6 hybrid binational meetings in Tubac, AZ (May) and in the city of Douglas (November). Information included updates on regional border program efforts including discussion on emerging issues as tire related challenges, etc. Discussions included the participation of local city and county representatives. • November 2022- Hosted six binational hybrid regional meetings in the City of Nogales, Arizona. Due to COVID the sessions were hybrid for better engagement with local representatives. • February 2021- Held a virtual session with Arizona/Sonora state and tribal representatives to close out Border 2020 and introduce new border program director • June 2021- Hosted binational virtual session to discuss regional priorities which included Tribal representatives of Tohono O’dham, Cocopah Tribe, Pascua Yaqui, and Fort Yuma Quechan Indian Tribe 	
USEPA Regional Operations Tribal Committee (R9)– Border Work Group	Border Workgroup, Region 9 RTOC	Staff time	<p>Marisol Anaya (USEPA) Anaya.Marisol@epa.gov</p> <p>Camilo Perez (USEPA) Pesticidesofficer@quechantribe.com</p>	<ul style="list-style-type: none"> • Convene Border Workgroup. • Plan topics to meet quarterly and annually at the RTOC meetings • Ongoing 	<ul style="list-style-type: none"> • Included topics in discussion/presentations: Climate Change, Solid waste, and impacts of US-Mexico border wall 	Moderate Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

Policy Workgroup Sessions and National Coordinators Meeting	USEPA -Tribal Intergovernmental and Policy Division and Division	Staff time	<p>Jessica Helgesen (USEPA) Helgesen.jessica@epa.gov</p> <p>Lorena Lopez-Powers (USEPA) Lopezpowers.lorena@epa.gov</p>	<ul style="list-style-type: none"> • Coordination with Policy Workgroup representatives to discuss Border Program's Goals and Objectives • Efforts to include public meetings that address regional priorities in the Arizona/Sonora region. <p>On-going</p>	<ul style="list-style-type: none"> • September 2024 EPA and Program partners hosted the National Coordinators Meeting (NCM) in the city of Tijuana, Baja CA to celebrate more than 40 years of the signing of the 1983 La Paz Agreement, which laid the foundation for binational program plans. This event was attended by ~250 binational participants representing federal, tribal, state and community-based organizations, from all 10 border states. The NCM served as a platform for border community members to voice regional challenges and concerns. These issues require Border Program partners to work collaboratively with these communities to address their concerns • Implementation of four public meetings to discuss regional priorities for each goal and upcoming meetings of National Coordinators • Borderwide public sessions were held for air, water, waste, and emergency preparedness for response. 	Significant Progress
Climate Change Training for Tribes	Inter-tribal Environmental Professionals (ITEP) at Northern Arizona University	Staff Time	<p>Emily Pimentel (USEPA) Pimentel.emily@epa.gov</p>	<ul style="list-style-type: none"> • Hold a US-Mexico Border Region Climate Action Workshop 	<ul style="list-style-type: none"> • Two-day climate change workshop held March 22-23, 2022. 	Deliverable Achieved
Expand Participation with Tribal community representatives in Border 2025	Environmental Protection Agency (USEPA)	Staff time	<p>Marisol Anaya (USEPA) Anaya.Marisol@epa.gov</p> <p>Lorena Lopez-Powers (USEPA) Lopezpowers.lorena@epa.gov</p>	<ul style="list-style-type: none"> • Conduct Outreach to communities on environmental health and climate change through Border 2025 • Ongoing 	<ul style="list-style-type: none"> • Organized and coordinated ~3 hybrid sessions on annual basis for Regional Tribal Operations Committee (RTOC) from in 2021-2024. • The 2024 effort includes the Annual Conference held in the city of San Jose, CA bringing tribal and EPA representatives to discuss EJCEER's division new Pacific Island and Mexico Border Team. • Topics have included: Updates on border and ideas to improve tribal engagement and benefit of Border program among tribes Border 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					<p>Program, Development of new Tribal Workgroup Regional Coordinators</p> <ul style="list-style-type: none"> March 2022- In coordination with ITEP, EPA hosted a Climate Change Adaptation Workshop for Tribal communities. 	
Border 2025 Bilingual Newsletters	USEPA -Tribal Intergovernmental and Policy Division	Staff time	<p>Jessica Helgesen (USEPA) Helgesen.jessica@eepa.gov</p> <p>Anthony Isham (USEPA) Isham.anthony@epa.gov</p>	<ul style="list-style-type: none"> Share quarterly newsletters with border region on Border 2025 updates in Region 9. 	<p>Spring / Summer 2024 Newsletters provide updates on domestic and binational efforts. https://www.epa.gov/usmexicoborder/region-9-publications-and-successes</p> <p>December 2023</p> <ul style="list-style-type: none"> Fall/Winter Newsletter sent over Constant Contact on December 21, 2023 https://www.epa.gov/system/files/documents/2024-10/508-fy24-q1-newsletter.pdf <p>January 2022</p> <ul style="list-style-type: none"> https://www.epa.gov/usmexicoborder/us-mexico-border-2025-january-2022-newsletter https://www.epa.gov/usmexicoborder/frontera-2025-mexico-estados-unidos-boletin-de-enero-de-2022 <p>October 2021</p> <ul style="list-style-type: none"> https://www.epa.gov/usmexicoborder/us-mexico-border-2025-october-2021-newsletter https://www.epa.gov/usmexicoborder/frontera-2025-mexico-estados-unidos-boletin-de-octubre-2021 <p>July 2021</p> <ul style="list-style-type: none"> https://www.epa.gov/usmexicoborder/us-mexico-border-2025-july-2021-newsletter-mexico-eeuu-frontera-2025-boletin-de <p>March 2021</p> <ul style="list-style-type: none"> https://www.epa.gov/usmexicoborder/us-mexico- 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

					border-2020-march-2021-newsletter-mexico-eeuu-frontera-2020-boletin-de	
Forum for Non-government Organizations in US-Mexico border communities of Arizona-Sonora and California-Baja California	USEPA -Tribal Intergovernmental and Policy Division and Division and North American Development Bank	Staff Time and NADB interpretation/meeting support	Emily Pimentel (USEPA) Pimentel.emily@epa.gov Jessica Helgesen (USEPA) Helgesen.jessica@epa.gov	<ul style="list-style-type: none"> • Forum to improve outreach on border program and leverage NGOs • Communicate Border 2025 program priorities 	<ul style="list-style-type: none"> • Hosted binational session in May 2021 • Engaged over 40 participants from border communities • Consideration of future forum on emerging environmental issues 	Deliverable Achieved
Expand knowledge on Border 2025 and specific program Guiding Principles	USEPA -Tribal Intergovernmental and Policy Division	Staff time	Jessica Helgesen (USEPA) Helgesen.jessica@epa.gov Lorena Lopez-Powers (USEPA) Lopezpowers.lorena@epa.gov Anthony Isham (USEPA) isham.anthony@epa.gov	<ul style="list-style-type: none"> • In coordination with EPA staff and Task Forces' leads conduct outreach to communities to share information on border program through meetings, webinars, or other public outreach sessions in the Arizona- Sonora border region. • On-going effort 	<p>2024 Public meetings</p> <ul style="list-style-type: none"> • June hybrid meetings in Nogales, SON including an Environmental Justice Community Check-in session to discuss regional issues impacting the Ambos Nogales and nearby communities. • September - Hosted the National Coordinators Meeting (NCM) in Tijuana, Baja CA. The hybrid sessions hosted over ~250 people representing several border and tribal communities where environmental health and justice issues related challenges were shared with key EPA and program partners for consideration in the development of future program. <p>2023 Public meetings</p> <ul style="list-style-type: none"> • May hybrid meetings in Tubac, Arizona. • November 8 Arizona-Sonora Task Force meeting: Held environmental Health and Environmental justice sessions. Provided EJ updates regarding TCTACS and shared overview of program guiding principles. <p>2021 Public Meetings</p> <ul style="list-style-type: none"> • October/November: Air and Water task force meetings: Introduced Border 2025 	Significant Progress

Arizona-Sonora 2021-2025 Action Plan (Fall 2024)

						<p>Program, provided general updates on regional projects and encourage future participation for new group (task forces under the Border 2025 Program).</p> <p>2022 Public Meetings</p> <ul style="list-style-type: none"> • February: Arizona – Sonora Air Quality task force meeting included discussion on general priorities, updates on projects. • March: Goals 1, 2, 3, & 4: Air, Water, Waste and Emergency Preparedness and Response Policy Workgroups Public Meetings. Discussed border program, border-wide priorities from program partners that included states and tribal representatives <p>For Border 2025 events</p> <ul style="list-style-type: none"> • Sign-up to receive future program related information with our listserv – see link. • Facebook and EPA Region 9 Twitter • **Posted information our Border 2025 calendar. 	
--	--	--	--	--	--	--	--