

Border 2020 Quarterly Newsletter

Region 9

California, Baja California, Arizona and Sonora
Spring 2013

www.epa.gov/border2020



This newsletter provides a summary of past quarter activities

General Updates

Border 2020 Request for Proposals (RFP) and Workshops: The first Border 2020 RFP was released on June 17, 2013 and will close on July 31, 2013. As in past years, the RFP will be announced and managed by the Border Environment Cooperation Commission (BECC), through a cooperative agreement with EPA. The RFP will focus on projects that address priority objectives identified through a 2-Year Action Plan “gap analysis”. In Region 9, approximately \$1M will be available for projects in Arizona-Sonora and California-Baja California. Region 9 will work closely with the BECC, to identify the most qualified proposals by mid-August. RFP workshops were convened in San Diego, Tijuana, Nogales Sonora and Rio Rico, Arizona as well as one for the 26 Border Tribes. For additional information contact [Lorena Lopez-Powers](mailto:Lorena.Lopez-Powers@epa.gov), 619-235-4767.

Border 2020 Action Plans Are Now Complete: Since the National Coordinators Meeting in August of 2012, [2-Year Action Plans](#) have been updated and refined. A “gap analysis” performed by EPA has identified priority objectives, and Border Team Staff continue to coordinate with border partners to share information. The final action plans are now available on the Border 2020 website and will be used to track ongoing efforts and identify future needs and priorities along the U.S.-Mexico Border. For additional information contact [Lorena Lopez-Powers](mailto:Lorena.Lopez-Powers@epa.gov), 619-235-4767.

U.S.-Mexico Border 2020 Program Kicks off Arizona/Sonora Task Force Workshop and Public Meetings: On February 27th, EPA and the Arizona Department of Environmental Quality (and Mexico partners) hosted a workshop for the Border 2020 Task Force leaders on roles, expectations, and action planning efforts under the new Border 2020 binational program. On February 28th, the Air, Water, Waste & Enforcement Task Forces convened joint public meetings to share information on the new Border 2020 Program and had breakout sessions to analyze the Arizona/Sonora Action Plan and identify unmet needs and potential projects to fill those needs. Community stakeholders had the opportunity to take part in the breakout sessions and comment on future priorities and needs. For additional information contact [Lorena Lopez-Powers](mailto:Lorena.Lopez-Powers@epa.gov), 619-235-4767.

Border 2020 Webinar for Border Tribes: On March 14 the Border and Tribal Programs and the Native American Environmental Protection Coalition (NAEPC) held a webinar for Arizona and California Border Tribes. The webinar provided information on the new Border 2020 Program, the Biennial Action Plans, anticipated budget, and future project development. Approximately 15 Border tribes participated; discussion items ranged from types of Border 2020 priorities to budget uncertainties, to tribal project needs. For additional information, contact: [Willard Chin](mailto:Willard.Chin@epa.gov), 415-972-3797.

New Border 2020 Listserver to Enhance Communication with Border Stakeholders: A new electronic communication provider (Constant Contact) has been secured to assist with electronic communication to over 8,000 Border 2020 e-mail subscribers. An introductory e-mail was sent to the existing subscribers asking that they update their preferences. The communication points of contact are: [Patrick Huber](mailto:Patrick.Huber@epa.gov) (Office of International and Tribal Affairs); [Maria Sisneros](mailto:Maria.Sisneros@epa.gov) (Region 6); and, [Alhelí Baños-Keener](mailto:Alhelí.Baños-Keener@epa.gov) (Region 9).

Goal Updates

Goal 1 – Reduce Air Pollution

Arizona Department of Environmental Quality Completes the Retrofit of 123 School Buses: Under a grant from EPA, ADEQ recently completed retrofits of 123 school busses with diesel oxidation catalysts or diesel particulate filters in Maricopa, Pima, and Yuma Counties. The estimated lifetime emission reductions are 2.95 tons of particulate matter, 9.89 tons of hydrocarbon, and 39.3 tons of carbon monoxide. For additional information contact [Dave Fege](#), 619-235-4769.

White Paper Released: Health Impacts of Crossings at U.S.-México Land Ports of Entry: Gaps, Needs and Recommendations for Action: This recently released white paper is a product of the Health Impacts of Border Crossings Conference, held on May 3-4, 2012, in San Ysidro, California. Sponsored by the Southwest Consortium for Environmental Research and Policy (SCERP) through a cooperative agreement with the U.S. Environmental Protection Agency, this [white paper](#) identifies potential health effects of U.S.-México border land ports of entry, especially regarding exposures to traffic emissions associated with the crossings. For additional information contact [Dave Fege](#), 619-235-4769.

Goal 2 – Improve Access to Clean and Safe Water

Mexico Border Water Infrastructure: On April 30, 2013, the [BECC-NADB Board](#) certified a wastewater collection system expansion project in Sierra Vista, AZ, that will serve a subdivision with failing on-site systems. The \$4 million project will benefit 374 residents and eliminate discharges of inadequately treated sewage. This project now has the approved funding to initiate construction. For additional information, contact: [Su Cox](#) at 415-972-3555.

Border Stormwater Management Workshop: On, March 14, 2013, over 60 stakeholders from private industry and local, state, and federal governments on both sides of the Arizona-Sonora border participated in a Border 2020-sponsored stormwater workshop held in Rio Rico on March 14, 2013. ADEQ staff planned the workshop in an effort to improve stormwater management in both Arizona and Sonora. The city of Nogales, Sonora has over 100 industrial outfalls, which discharge into the Santa Cruz River Watershed, thereby impacting water quality in both countries. For additional information contact [Doug Liden](#), 619-235-4763.

Tijuana Watershed Sediment Model: On April 1, 2013, the Border Environment Cooperation Commission signed a technical assistance agreement with the University of Arizona to use \$25,000 of Border 2020 funds to create a contemporary (2011) digital land cover classification for the Tijuana River Watershed. These digital maps are the first step towards the development of the sediment model that will be funded through a 2012 Regional Applied Research Effort (RARE) grant. This model will allow urban planners in Mexico and the U.S. to determine the impacts of various types of land-use practices and sediment control BMPs on the generation of sediment that impairs the Tijuana River and Estuary. For additional information contact [Doug Liden](#), 619-235-4763.

Goal 3 –Promoting Materials and Waste Management and Clean Sites

Border 2020-Funded Tijuana Urban Compost Center Promotes Zero Waste Practices: As a follow up to the successful launch of Tijuana's first composting center, the project sponsor, Tijuana Calidad de Vida (TCV), is promoting efforts to incorporate more composting and zero waste practices into the municipality's operations. As such,



TCV recently facilitated a visit for the solid waste management company operating in Tijuana (GEN/PASA), along with the Miramar Greenery (San Diego's composting center). TCV showcased the center's composting work at the Biocycle Conference held March 2013 in San Diego. TCV is also planning a compost forum in July 2013 that will include GEN, and many other stakeholders. EPA, BECC and the U.S. Consulate Office in Tijuana are sponsoring this event. There are no regulatory standards explicit to the composting operations in Mexico, but the center has used composting guidance provided by SEMARNAT and applicable municipal requirements which are reflected in the work plan and TCV's Quality Assurance Plan (QAP). For additional information contact [Emily Pimentel](#), 415-972-3326.

Tecate Community Makes Big Leap in Materials Management Goal. Fundación la Puerta, a community



non-profit organization in Tecate, Baja California, in association with “Comite de Mujeres Lluvias del Sur” have accomplished their Border 2012 project to promote materials management and sustainability. Key accomplishments under this project include five trash cleanups involving 1350 participants (ranging from 130 to 300 volunteers per event). The cleanups resulted in the collection of 23,701 kg trash and 7293 kg scrap tires. The cleanups were an important component to promote awareness of the adverse impacts that trash and solid waste pose in the community, (including urban blight and flood hazards). While the community had performed cleanups before, this project served to heighten awareness and interest in taking community action,

especially since illegal dumping of trash, tires, and construction debris in the river plain continues to be a problem. The community also used this project to promote zero waste practices, including the collection of 9764 kg of paper and 6839 kg plastic surpassing their goal of 5000 kg paper and 4000 kg plastic (PET).

The community also created vegetable gardens at five schools (reaching 680 students) and a community garden on the embankment of the Tecate River. The gardens produced 15 types of vegetables and fruits, resulting in a harvest of 472 kg of food. Fundación la Puerta's non-profit lent their expertise in operating the organic garden and provided training to the community on creating compost. Overall the accomplishments under this grant were remarkable. For additional information contact [Emily Pimentel](#), 415-972-3326.

Strengthening Community Capacity to Manage Solid Waste:

Wildcoast, a San Diego non-profit, recently kicked off a new effort to reduce trash in Los Laurels Canyon through a Border 2020 project, in partnership with three local elementary schools and ECOCE, a national educational non-governmental organization that will install three “supersacs” as temporary recycling for plastic bottles. The Los Laurels Canyon area is an important binational area, as it drains directly into the Tijuana River Estuary in San Diego. For additional information contact [Emily Pimentel](#), 415-972-3326.



Goal 4 – Emergency Preparedness and Response

A binational table top exercise was held March 19-20 in Nogales, AZ, focused on the working relationships that must exist along the border between Arizona and Sonora when joint response is necessary. Approximately 35 agencies and over 100 participated from the United States and Mexico as players and observers in this mock exercise. On Monday, March 18, a Traffic Incident Management Training Session was held in Nogales, Sonora, Mexico through the joint collaboration of the Federal Highway Administration, the Border 2020 Program, Arizona Department of Public Safety, and Arizona Department of Transportation. Over 200 first responders from Mexican local and state agencies participated in the workshop. For additional information contact [Lida Tan](#), 415-972-3018.

Goal 5 – Enhance Compliance Assurance and Environmental Stewardship

Preparations Underway for Border 2020 Environmental Enforcement Webinar and Workshop in June

EPA, in collaboration with Mexico's environmental and enforcement agency, SEMARNAT/PROFEPA and BECC are organizing an Environmental Enforcement Workshop on June 13-14 in San Diego. The goal of this workshop is to improve enforcement through better case development and intelligence-led enforcement tools. The first day will focus on legal frameworks and case development, and will be broadcast via webinar for registered participants. Day two will focus on mechanisms to share binational intelligence and information and will explore a possible binational pilot project to focus on mutual areas of interest and improve communication and use of intelligence sharing tools. Air, water, waste, and wildlife topics will be addressed. EPA expects participants from the BECC, EPA, SEMARNAT/PROFEPA, U.S. Customs, Arizona Department of Environmental Quality, California Department of Toxic Substances Control, Baja California's environmental agency (SPA), and Sonora's environmental agency (CEDES), Environment Canada, and others. For additional information contact [Emily Pimentel](#), 415-972-3326 or [Joel Jones](#), 415-972-3449.

Environmental Health

Pediatric Environmental Health Specialty Unit (PEHSU) Doctors Provide Training to the Imperial Valley:

The San Diego Border Office Staff and R9 Children's Health Program partnered to host two very successful binational Pediatric Environmental Health trainings in El Centro, CA on February 6th and 7th. The trainings reached approximately 130 childcare providers, community health workers, school nurses, Mexican officials, and high school students with information about how to reduce children's exposures to environmental contaminants in schools, childcare facilities, homes, and neighborhoods. The trainings were conducted by Doctors funded by the PEHSU's at U.C. San Francisco and U.C. Irvine, (funded by EPA and ATSDR), and Doctors from U.C. Berkeley's Center for Environmental Research and Children's Health, (funded by EPA and NIEHS). The training logistics were supported by the Border 2012 Program and HQ's Office of Children's Health Protection (Clean, Green, and Healthy Schools Initiative). Participants overwhelmingly evaluated the training quality as "excellent." For more information contact [Kathleen Stewart](#), 415-947-4119 or [Alheli Baños-Keener](#), 619-235-4767.

Border 2020 Engages Arizona Health Officials: As part of Border 2020's engagement with the U.S. Mexico Border Health Commission (USMBHC), border office staff met with Robert Guerrero, Chief of the Border Health Office for the Arizona Department of Health Services, and with Emma Torres, Director of Campesinos Sin Fronteras and Commissioner with the USMBHC to identify priority border health issues and collaboration opportunities. The Border 2020 Program has stepped up its engagement with the BHC to fulfill its environmental health strategies and will begin identifying focus areas of collaboration and begin drafting concept papers to leverage resources toward common focus areas. For more information contact [Alheli Baños-Keener](#), 619-235-4767.

Valley Fever Concerns in Imperial Valley: Community members in the Imperial Valley EJ and Enforcement Task Force have raised concerns in the past about Valley Fever, and these concerns have increased with recent reports of outbreaks in California. Border Office staff has communicated with relevant agencies, including San Diego County, Imperial County Health Department, Arizona Department of Health Services, California Department of Public Health and the U.S.-Mexico Border Health Commission, to identify possible agencies that can provide assistance on this issue. For more information contact [Alheli Baños-Keener](#), 619-235-4767.

Border 2012/2020 Project Update: Transitioning to Reduced-Risk Cotton Pest Management Practices in the Mexicali Region: The purpose of this project is to pilot less-toxic pest management practices in agricultural communities along the border (a prior Border 2012 objective). Using Border 2012 funding, the University of Arizona Pest Management Center (AZPMC) is working with growers from Mexicali to implement reduced-risk

approaches to pest management in cotton. AZMPC is using an integrated pest management model that has been successfully deployed throughout Arizona to reduce the amount of broadly toxic pyrethroids, organophosphates, carbamates and endosulfan that are used to produce cotton in this border region. Key pests include pink bollworm, whiteflies and lygus bugs. Project leaders are conducting workshops and field demonstrations for growers, pest control advisors and related government officials that focus on the biology, ecology, and management of these three principal pests, as well as reduced-risk options for each. A database has been developed to assess scouting and pesticide use trends by participating Mexican cotton cooperatives. Data from 2010-2011 is being entered to establish a baseline of practices that can be compared to 2012, when methods to reduce the reliance on broadly toxic pyrethroids and organophosphates were demonstrated to Mexican growers. An important goal of the program is to improve conservation of non-target beneficial arthropods using these reduced-risk practices. The project began on May 1, 2012, and extensive progress has been made since that time. Numerous presentations have been made on the U.S. side of the border, and Mexican stakeholders have been present at most sessions. Project leaders are working on a natural-enemies pocketbook that includes photographs for use in the field to identify beneficial versus harmful insects. For additional information contact [Mary Grisier](#), 415-947-4213.

Border 2012 Project Update: Arizona Border School Chemical Inventory/Cleanout Project: The Arizona Department of Environmental Quality (ADEQ) has been leading this Border 2012 Project, aimed at eliminating unwanted chemicals from schools and keeping them at bay through the development of a Chemical Management Plan. ADEQ has just completed this project, with the successful cleanup of 11 schools in the Nogales School District and disposal of radioactive waste from one of the schools. For additional information contact [Alheli Baños-Keener](#), 619-235-4767.