ARIZONA-SONORA BORDER 2020 MASTER ACTION PLAN - Final Closeout Report 2013-2014 Goal 1- Reduce Air Pollution									
Description of Action	Collaborating Organizations	Cost	Sources of Funding	Lead Points of Contact	2014 Target Output and Results	Status			
Objective 1: By 2020, in accorns standards, and reduce vehic	· · · · · · · · · · · · · · · · · · ·				he border region that do not comply with the rees.	spective vehicle emissio			
Initiate a Vehicle Emissions Verification Program in Sonora.	Comisión de Ecología y Desarrollo Sustentable del Estado de Sonora (CEDES), Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT)	Staff time	CEDES	Flora Leticia Soto Camacho florasotoc@hotmail.com	Metrics: Establish a regulatory framework for Vehicle Emissions. Results: Verification Program in the state of Sonora.	Cancelled.			
Initiate a PM and NOx emissions assessment for northbound passenger and freight vehicles at the Mariposa Point of Entry.	Arizona State University	\$136,000	EPA/BECC	Joaquin Marruffo- BECC (jmaruffo@cocef.org)	Metrics: Begin field work and emissions modeling to identify PM and NOx emissions at the Mariposa port-of-entry. Results: Field work and emission modeling began in Spring of 2014.	be included in the 2015-			
Objective 2: By 2020, reduce p Ambos Nogales (PM 2.5 and P			-		quality standards in the following airsheds: Sunland Park)				
Complete and apply a PM-10 State Implementation Plan (SIP) for Nogales, AZ.	Arizona Department of Environmental Quality (ADEQ) and Local Partners	Staff time	ADEQ and Local Partners	Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Complete PM-10 Plan. Results: PM-10 State Implementation Plan for Nogales, Arizona was approved by EPA in August 2012.	Complete.			
Complete and apply a PM2.5 SIP for Nogales, AZ (based on applicable data findings).	ADEQ and Local Partners	Staff time	ADEQ and Local Partners	Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Complete PM-2.5 Plan. Results: The State of Arizona submitted a State Implementation Plan in September 2013. EPA's response on the submittal is pending and is expected in early 2015.	Ongoing. This action will be included in the 2015-2016 Action Plan.			

Develop outreach, (e.g., binational clean air calendar) transition and expand outreach through social media tools.	EPA, ADEQ	\$50,000	EPA, ADEQ	Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Develop annual web-based Air Quality Calendar. Results: Offices in Arizona and Sonora provided outreach support by contacting schools on both sides of the border. Approximately 3000 students participated. A binational panel of judges of the AZ-Mexico Commission made the final selection of the 13 drawings that were featured in the 2014 Arizona-Sonora Border Clean Air Calendar. The posting of the calendar is on ADEQ's website: http://www.azdeq.gov/obep/download/2014_calendar.pdf	
Partner with Arizona State University to compile border air quality studies that have been completed and published for posting on an electronic library website	ADEQ, Arizona State University (ASU)	\$49,729	ADEQ	Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Compile and electronically post border air quality studies to serve as a repository. Results: Researchers and other academicians gathered border-related air quality studies information from a myriad of sources, including ADEQ, EPA, and SCERP. The result was a website that serves as a repository for research, technical reports and presentations focusing on air quality, pollution, particulate matter, economic and health-related issues spanning the entire U.SMexican border region. Repository can be seen at: rhttps://borderairquality.asu.edu/	
Develop and implement Air Quality Improvement Management Programs (ProAire) in Nogales, Sonora. The programs will address strategies and measures to effectively reduce air emissions.		TBD	SEMARNAT	SEMARNAT Flora Leticia Soto Camacho florasotoc@hotmail.com	Metrics: Develop a strategy to reduce air emissions in Nogales, Sonora by 2014. Results: SEMARNAT is developing Pro-Aire for Sonora and other Mexican states. See next action item.	
Develop Management Program to improve the air quality of the State of Sonora (strategies and measures to reduce air emissions in the airsheds, including Nogales, Sonora).	of Nogales	Approximately \$150,000	SEMARNAT (FY14)	SEMARNAT, CEDES	* *	Ongoing. This action will be included in the 2015-2016 Action Plan.

Initiate an Emissions Inventory for Criteria Pollutants for Nogales, Sonora	Calidad de Vida	\$54,000	EPA/BECC	Joaquin Marruffo- BECC (jmaruffo@cocef.org)	Metrics : Complete Field Work and Data Collection for the air emissions inventory. Results : Field Work and Data Collection is complete.	Ongoing. This action will be included in the 2015-2016 Action Plan.
Objective 3: By 2018, maintain Paso del Norte, and any additi		_		_ · · · · · · · · · · · · · · · · · · ·	Arizona/Sonora, California/Baja California, ality standards prior to 2015	
Develop and implement a strategy for enhanced coordination of air monitoring and related activities in Sonora/Arizona border communities.	CEDES, ADEQ, EPA, SEMARNAT	Staff time	US EPA, SEMARNAT, CEDES, ADEQ	Idalia Perez- US EPA perez.idalia@epa.gov Flora Leticia Soto Camacho florasotoc@hotmail.com Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Complete strategy for enhanced coordination of air monitoring and related activities in Agua Prieta and Nogales, Sonora by December 2013. Results: Strategy completed. Highest priority is to begin operation of PM10 air quality monitor in Nogales, Sonora	Complete.
Upgrade four air quality monitors currently used in the Arizona border region	ADEQ, US EPA	\$60,000	US EPA, ADEQ	Edna A. Mendoza- ADEQ (Mendoza.Edna@azdeq.gov)	Metrics: Upgrade air quality monitors (one each in Nogales and Yuma; two in Douglas). Results: Monitors in Douglas, Yuma, and Nogales have been upgraded.	Complete.
Objective 4: By 2015, support d implementation.	completion of climate acti	on plans in each	of the six northe	ern Mexican Border States (as appropriate), and build the necessary capaci	ty to guarantee sustaine
Complete Phase II of the Climate State Action Plan (PEACC)	CEDES, SEMARNAT, Ciudad de Nogales	\$600,000 (Mexican) staff time and support of other institutions	CEDES, SEMARNAT	Flora Soto- CEDES florasotoc@hotmail.com	Metrics: Hold an open hearing on the proposed priority public policies after an analysis of the mitigation measures is completed. The analysis is in accordance with the Greenhouse Gas Emissions Inventory. Then complete a final report. Results: Meetings of the advisory group have begun. BECC has been approached for possible funding of Phase II.	Ongoing. This action will be included in the 2015-2016 Action Plan.
Objective 5: By 2020, reduce e	emissions and associated im	pacts through e	energy efficiency :	and/or alternative/renewabl	le energy projects.	

Promote and disseminate manuals	CEDES, SEMARNAT	Staff time costs	CEDES,	Flora Soto- CEDES	Metrics: Promote program along the Sonoran border.	Cancelled.
and guidelines for sustainable		of manual	SEMARNAT	florasotoc@hotmail.com	Results: Project cancelled.	
development of housing,		dissemination				
rehabilitation of school buildings						
and hospital infrastructure						
Construction of a 16 megawatt	Davis-Monthan Air Force	\$35,000,000	NADB, BECC	Juan Antonio Flores- BECC	Metrics: Construct a 16 megawatt (DC) solar park at	Complete.
(DC) solar park at Davis-Monthan	Base (DMAFB), North			(jaflores@nadb.org)	Davis- Monthan Air Force Base near Tucson,	
Air Force Base (DMAFB)	American Development Bank				Arizona. Results: Project was certified in September	
	(NADB), BECC, SunEdison				2012 by the BECC. Construction was completed in	
	LLC				February 2014. See following link for more	
					information:	
					http://nadb.org/pdfs/state_projects/FS%20DMAFB%	
					20Solar%20Energy.pdf	

ARIZONA-SONORA BORDER 2020 MASTER ACTION PLAN - Final Closeout Report 2013-2014 Goal 2- Improve Access to Clean and Safe Water										
Description of Action	Collaborating Organizations	Cost	Sources of Funding	Lead Points of Contact	2014 Target Output and Results	Final Status				
Objective 1: Promote the incre	ease in the number of homes	connected to safe	e drinking water ar	nd adequate wastewater treat	ment.					
Sub-objective 1a: By 2015, pr Sub-objective 1b: By 2015, pr										
Nogales, Sonora wastewater project for Southwest zone of	Comisión Nacional del Agua (CONAGUA), EPA, Border	\$12,000,000 total	PDAP	Thomas Konner, EPA (konner.thomas@epa.gov)	Metrics: BECC certification of wastewater collection project. Results: Certification expected in 2015.	Ongoing. This activity will be included in the				
Nogales	Environment Cooperation Commission (BECC), North	construction		(konner.tiioinas@epa.gov)		2015-2016 Action Plan.				
	American Development Bank (NADB)									
Objective 2: Help drinking wa	ater and wastewater utilities	s in the border r	egion to impleme	ent sustainable infrastructu	re practices to reduce operating costs, improve o	energy efficiency, use				

water efficiently and adapt to climate change.

EPA Region 9 will incorporate Sustainable infrastructure components in the development phase of US-Mexico border water infrastructure program projects.	EPA, CONAGUA, BECC	TDB	Local, state and federal partners	Hector Aguirre, EPA (aguirre.hector@epa.gov)	be incorporated into two projects based on the results	Ongoing. This action will be included in the 2015-2016 Action Plan.
Sub-objective 2b: Improve end	ergy efficiency and efficien	t wate use at bo	order drnking wat	te and wastwater utilities.		
Installation of solar panels for the generation of power at the Los Alisos Wastewater Treatment Plant.	EPA, BECC	\$700,000	EPA	Thomas Konner, EPA (Konner.thomas@epa.gov)	Metrics: Design and construction of a 902 KW photovoltaic plant with peak capacity of 1572 MWh/year, preventing up to 1.76M pounds of CO2/year from entering the atmosphere. Results: Completed project. Awaiting final hook-up.	Completed.
Perform energy audits in the final design of eight US-Mexico Border Water Infrastructure Program projects.	EPA, CONAGUA, BECC	TBD	PDAP	Roberto Molina (BECC)	selected utilities. Results: Water audit completed for	Ongoing. This action to be included in the 2015-2016 Action Plan.
Sub-objective 2c: Build operate	tional, managerial and fina	ncial capacity t	through training o	of drinking water and waste	water service providers in the border region.	
Wastewater operations training in seven (7) Mexican border communities including Matamoros, and Reynosa, Tamaulipas, Ciduad Juarez, Chihuhua, Sonoyta and San Luis Rio Colorado, Sonora, Tecate and Playas de Rosarito, Baja California.		\$40,000	BECC, EPA Border 2020 funds	Salvador Gandara- US EPA, Region 6 (Gandara.salvador@epa.gov)	Metrics: Wastewater operations training in several Mexican border communities. Results: Trained 50 operators, 288 hours over 18 courses in several Mexican communities; including Nogales, San Luis Rio Colorado, Mexicali, and Tijuana.	Completed.

Create two (2) regional nurseries for the production of flora to be used in the reforestation of the Rio Altar Region.	Rio de Altar, Comisión de Ecología y Desarrollo Sustentable del Estado de Sonora (CEDES), Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), Comisión Nacional Forestal (CONAFOR)		CONAFOR/CEDE S	Lic. Flora Soto - CEDES florasotoc@hotmail.com	Metrics: Two regional nurseries created for production of flora for reforestation of Rio Altar Region. Results: Created two regional nursuries, one in Aconchi and the other on Altar, Sonora using \$4.5M pesos (Anexo 36 del Ramo 16 del PEF 2012)	Completed.
local citizens restore degraded	Borderlands Habitat Initiative, US Fish and Wildlife Service (US FWS), US Geological Survey (US GS)		Borderlands Restoration, L3C	H Ronald Pulliam- UGA (pulliam2@uga.edu)	Metrics: Identify best areas and detention structure technology to positively impact local surface runoff, infiltration, erosion and sediment yield. Design and install the combination of loose-rock trincheras, wire basket gabions, and earthen berms to reduce erosion and increase infiltration. Evaluate changes in ground cover, infiltration, runoff, sediment yield, and discharge and estimate recharge associated with the detention structures. Incorporate the monitoring data into the groundwater model to simulate the long-term effects of the recharge changes. Revegetate disturbed areas with native grasses to minimize erosion. Results: Installed over 700 erosion control structures on drainages of the Babocomari River and 40 on Sonoita Creek and have revegetated extensively with native plants.	Completed.
Sub-objective 3b: Every two yo Nogales Wash	ears, identify and implemen	nt at least one p	roject to reduce t	he level of heavy metals, see	diment, and/or bacteria entering the Santa Cruz	z River and/or the
Sampling and testing equipment and supplies to support Ambos Nogales waste characterization study.	International Boundary and Water Commission (IBWC)	Est \$20,000	IBWC	Wayne Belzer-IBWC (wayne.belzer@ibwc.gov)	Metrics: Prepare joint waste characterization study for Nogales, Arizona and Sonora and provide resources as needed to implement study. Results: The study will be completed by January 2015.	Ongoing. This action will be included in the 2015-2016 Action Plan.

Facilitate stormwater control trainings and rainwater harvesting projects in the border region for non-point source pollution control.	Arizona Department of Environmental Quality (ADEQ), EPA	Approx. \$6000 Staff time	ADEQ and EPA	Hans Huth- ADEQ (huth.hans@azdeq.gov)	Metrics: Facilitate stormwater control trainings and rainwater harvesting projects in the border region for non-point source pollution control. Results: Stormwater training workshop held on March 14, 2013.	Completed.
Facilitate binational technology and expertise exchange for pretreatment of metals in wastewater.	ADEQ, EPA, Partnering Organizations or Industries		ADEQ, US EPA, Partnering Organizations or Industries	Hans Huth- ADEQ (huth.hans@azdeq.gov)	Metrics: Peer-to-peer industry outreach to improve management of metals in wastewater discharges. (field trips - one metal plater, work with APSA environmental groups, set up laboratory in Nogales, Sonora for quicker testing of water samples.) Results: ADEQ has coordinated two facility tours for the Border 2020 ASU leads on this project. On June 24, 2014, ASU faculty and staff visited Alcoa Fastening Systems and the Nogales International Wastewater Treatment Plant. Information gathered from the tours will be used to support the development of training materials for workshops. AFS has confirmed it will host peer-to-peer tours of its facilities in late 2014.	Ongoing. This action will be included in the 2015-2016 Action Plan.
management of wastewater in	Arizona Department of Environmental Quality (ADEQ), USGS, EPA, Partnering Organizations		ADEQ, USGS, EPA, Partnering Organizations	Hans Huth- ADEQ (huth.hans@azdeq.gov)	Metrics: Dataset development in support of the USGS Source Water Assessment Tool (SWAT) for assessing the impacts of Los Alisos WWTP on the water quantity and quality on the Santa Cruz river. Present results of modeling at one of the Arizona-Mexico Commission meeting. Results: On June 25, ADEQ coordinated with the City of Phoenix to host a tour of it's S:CAN installation for the demonstration of real time monitoring of wastewater quality entering the 22nd Avenue Plant. The city hosted the tour for the IBWC Binational Technical Committee. IBWC will now conduct a pilot study of this technology to improve monitoring and response to impaired wastewater quality impacting the Nogales International Wastewater Treatment Plant.	Ongoing. This action will be included in the 2015-2016 Action Plan.

Install additional stream gauges and update rainfall-runoff modeling for improved stormwater management and land-use planning.	Lead: USGS Partners: US Northern Command (NORTHCOM), City of Nogales Sonora/ Comisión Internacional de Límites y Aguas (CILA), JE Fuller Consultants, US National Weather Service (NWS), and US Department of Agriculture- Agricultural Research Service (USDA-	\$400,000	NORTHCOM	Floyd Gray-USGS (fgray@usgs.gov)	Metrics: Install stream gauges. Will be reporting real-time data. Results: Network installed in 2012. Secondary network connected through 5 weather stations. Radio transmitting 9 Davis Instruments Vantage Vue Systems.	Completed.
Digitize aerial photos and processing Landsat imagery to show changes in vegetation and potential ecosystem services around 9 flood detention structures in Nogales, Sonora.	ARS) USGS, University of Arizona (ASU)	\$10,000	USGS	Laura Norman- USGS (lnorman@usgs.gov)	Metrics: Analyze 4 time periods for changes in vegetation, land use/land cover from before/after gabion construction & present at Santa Cruz River Researcher's Day. Results: Research completed and reported at the following website: http://www.sonoraninstitute.org/images/stories/pdf s/Presentations/SCRResearchDays/2013/scrrd2013 gass poster.pdf	Completed.

ARIZONA-SONORA BORDER 2020 MASTER ACTION PLAN – Final Closeout Report 2013-2014 Goal 3- Promote Materials Management, Waste Management and Clean Sites									
Description of Action	Collaborating Organizations	Cost	Sources of Funding	Lead Points of Contact	2014 Target Output and Results	Status			
Objective 1: By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.									
Increase public and private sector	R2-Solutions	\$20K	EPA/BECC and	E. Pimentel; (EPA); Eder	Metrics: Complete at least one training event in	Completed.			
knowledge on sound management	E-Stewards		other funding:	Delgadillo (ADEQ), Sergio	AZ/Sonora border region				
of electronic waste (E-waste)	EPA Reg 6 & 9	(Actual costs	leverage in-kind	Gasca (SEMARNAT)	(e.g., webinar/workshop). Measure number of				
through outreach campaign and		less than \$5K	support from		individuals and business/institutions that participate				
training program on two, distinct		border-wide)	certifying		in the training.				
E-waste recycling certification			organizations.						
programs - Responsible Recycling					Results: Border-wide R2: 83 participants; E-				
(R2) and E-stewards.					Stewards: 74 participants. Webinar link:				
					http://www2.epa.gov/border2020/goal-3-task-forces-				
					promote-materials-and-waste-management-and-clean-				
					sites-region-9-border				

Increase capacity to develop and comply with special waste management plans in Sonora, based on MX Norm 161. Use existing Sonora border region waste inventory to identify waste stream priorities for development of waste management plans, and target strategic industry material/waste streams (focus on end-of-life vehicles).	CEDES	In-Kind	CEDES	Joaquin Marruffo (formerly with CEDES)	Metrics: Model special waste management plan template and guidance on applying MX Norm 161. Results: Activity not implemented.	Cancelled
Objective 2: By 2014, identify	priority waste streams and	d by 2020 devel		terial management practice	es that strengthen their respective market value.	
Train interested "recyclers" operating in border region, on E-waste certification requirements (based on Responsible Recyclers (R2) and e-Stewards certification programs).	EPA/ SEMARNAT/ ADEQ/ CEDES/ and non-profit "recycling" certification program organizations	\$111,150	EPA border funds and leverage in- kind	Emily Pimentel (EPA Reg. 9): JB Shaw (ADEQ): Sergio Gasca (SEMARNAT);	Metrics: Complete training of at least five firms in AZ/Sonora. Will measure number of participants and business/institutions reached and individuals that participate in training and number of new firms taking steps to get certified by 2020 in border states. Results: The grantee (ADEQ) received grant in 2013. Action will be carried into next two-year action plan.	Ongoing. This action will be included in the 2015-2016 Action Plan
Solid waste trash collection vehicles for the municipality of Magdalena, Sonora	Magdalena/ CEDES, SEMARNAT	\$189,000	SEMARNAT; Dirección General de Fomento Ambiental Urbano y Turístico (DGFAUT)	Joaquín Marruffo (formerly with CEDES); C. Chávez (SEMARNAT)	Metrics: Acquisition of a solid waste trash collection vehicles for the municipality of Magdalena, Sonora. Results: Activity not implemented.	Cancelled
Scrap tire shredder	CEDES/ SEMARNAT	\$246,500	SEMARNAT; (DGFAUT)	Joaquín Marruffo (formerly with CEDES); C. Chávez (SEMARNAT	Metrics: Acquisition of a scrap tire shredder. Results: Will carry over to new two-year action plan.	Ongoing. This action will be included in the 2015-2016 Action Plan

associated with specific chemical waste streams (e.g. pesticides, mine tailings) and industry waste categories (e.g. metal smelters) by providing training (via webinar or half-day workshop) in coordination with EPA's Clean-up Information Program (www.clu-		\$5,000	EPA, SEMARNAT, ADEQ, CEDES	Emily Pimentel (EPA Reg. 9); Sergio Gasca, SEMARNAT	Metrics: One training that applies to border in AZ/Sonora. Will measure number of individuals and business/institutions that participate in the training Results: Cancelled. Will reassess needs and collaborating agencies.	Cancelled			
Objective 4: On an annual basis, implement the Binational Consultative Mechanism on sharing information on border area hazardous waste facilities.									
Coordinate with EPA HQ and SEMARNAT-Mexico City to implement Consultative Mechanism in coordination with border states of AZ/Sonora.	ADEQ/ CEDES/ EPA/ SEMARNAT	In-Kind		Rick Picardi (EPA HQ) Eduardo Gonzalez Hernandez (SEMARNAT)	Metrics: Annual report, unless there are proposed new facilities in which case the respective countries should be notified within 30 days of a petition for a facility permit. Results: Report submitted Oct. 2014. (Annual activity)	Ongoing. This action will be included in the 2015-2016 Action Plan			

ARIZONA-SONORA BORDER 2020 MASTER ACTION PLAN - Final Closeout Report 2013-2014 Goal 4- Enhance Joint Preparedness for Environmental Response									
Description of Action	Collaborating Organizations	Cost	Sources of Funding	Lead Points of Contact	2014 Target Output and Results	Status			
Objective 1: Update as necess Mexico and the United States.	Objective 1: Update as necessary, the current Mexico-US Joint Contingency Plan and on an annual basis, continue to evaluate and update the emergency notification mechanism between Mexico and the United States.								
Table top exercises in Rio Rico and Nogales, Sonora	Procuraduria Federal de Protección al Ambiente (PROPEPA), Protección Civil de Sonora, Local Responders			Bill Jones - USEPA (jones.bill@epa.gov)	Metrics: Implement Table Top exercises in Rio Rico, AZ., and Nogales, Sonora. Identify recommendations for improvements. Results: Implemented Borderwide: 10 - 24 hr First Responders Operation courses; 5 - 8 hr First Responders Awarenes courses; and 9 - Traffic Incident Management System courses. Train derailment tabletop was conducted in Rio Rico (March 2014) and a full scale gasoline explosion drill was exercised in Agua Prieta, Sonora (June 2014).	_			

9	Tohono O'odham/ City of Yuma/ City of San Luis Rio Colorado	\$80,000	US EPA Superfund	Bill Jones - USEPA (jones.bill@epa.gov)	Metrics : Finalization of the plan. Results : To be completed by March 2015.	Ongoing. This action will be included in the 2015-2016 Action Plan.
Objective 3: By 2016, the US-	Mexico JRT will make avai	ilable technica	l outreach and	training materials for distr	ibution and dissemination along the border.	
_	Arizona Emergency Management	\$2,500	US EPA Superfund	Bill Jones - USEPA (jones.bill@epa.gov)	Metrics: Distribute 750 Spanish copies of Department of Transportation Emergency Response Guide. Results: Hard copies were distributed in conjunction with the First Responder Operations and First Responder Awareness trainings, as well as Task Force mtgs. Weblink was also provided: http://www.phmsa.dot.gov/pv_obj_cache/pv_obj_id 7E6DBD072A5456A1CC2F6B019DF9EAC03D0746 00/filename/ERG2012_sp.pdf	
Distribution of Incident Command System, Personal Protective Equipment, Fire Safety, Radiation Safety, Mercury Response, First Responder Awareness	Arizona Emergency Management	\$10,000	US EPA Superfund	Bill Jones - USEPA (jones.bill@epa.gov)	Metrics: Distribute emergency response materials in Spanish. Results: All the materials were provided in Spanish for the Borderwide: 10 - 24 hr First Responder Operations (FRO) courses; 5 - 8 hr First Responder Awareness (FRA) courses; and 9 - Traffic Incident Management System (TIMs) course.; 3/14 Train derailment tabletop in Rio Rico; and 6/14 Full scale gas line explosion drill Agua Prieta.	Completed.
Objective 4: By 2016, the US-Nourposes.	Mexico JRT will analyze ex	isting agreeme	ents (including s	sister city plans) that allow	trans-boundary movement of equipment and person	onnel for comparison
No 2013-2014 Actions					None	

Arizona/Sonora Border 2020 MASTER ACTION PLAN- Final Closeout 2013-2014 Goal 5 - Enhance Compliance Assurance and Environmental Stewardship								
Description of Action	Collaborating Organizations	Cost	Sources of Funding	Lead Points of Contact	2014 Target Output and Results	Status		

Support Hazardous Waste Inspections at the Nogales Commercial Port of Entry (POE).	ADEQ, US EPA, and US Customs	PT inspector	_	Emily Pimentel Pimentel.Emily@epa.gov	Metrics: Dialogue on MOU with CBP/Customs to conduct regular environmental inspections at the POE. Results: The MOU is complete and includes agreement that Port-of-Entry access will be facilitated at U.S. Customs' discretion. Inspections and MOU will carry over into the next two-year action plan	Ongoing. This action will be included in the 2015-2016 Action Plan.	
Objective 2: By 2020, in Mexprograms at the state level for Conduct audits through the National Program for Environmental Auditing Program (PNAA).	· · · · · · · · · · · · · · · · · · ·				Metrics: Report on number of facilities. Results: This action will be carried over into the next two-year action plan.	Ongoing. This action will be included in the 2015-2016 Action Plan.	
Objective 3: Using the U.S. Toxic Release Inventory (TRI) and the Mexican Registry of Emissions and Transfers of Pollutants (RETC), along with other sources of environmental information, share information regarding activities contributing pollution to trans-boundary air and/or water basins along the border.							
information, share information	on regarding activities cond			ary arrange water busing			

Increase public knowledge of	SEMARNAT	In-kind staff	Existing programs	SEMARNAT	Metrics: RETC reports.	Complete
industrial discharges/releases, by		time				
sharing RETC data.					Results: SEMARNAT reported the availability of the	
					2013 emissions reporting data:	
					http://app1.semarnat.gob.mx/retc/index2.html	
					No additional resources anticipated to develop border	
					region fact sheets. CEC reports the availability of the	
					international data evaluation for Canada, Mexico and	
					the United States:	
					http://www.cec.org/Page.asp?PageID=751&ContentI	
					D=&SiteNodeID=1097&BL_ExpandID=&AA_SiteL	
					anguageID=3	
Objective 4: By 2020 implem	ant at least five (5) hingtier	nal warkshans t	argoted to environ	nmantal anfarcament profes	esianals including part of antry customs profess	gionals to promote the

Objective 4: By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including port-of-entry customs professionals, to promote the exchange of information and improve understanding of each country's respective compliance and enforcement programs and tools, including field inspection and case development practices.

Convene binati	onal enforcement	US EPA, PROFEPA, DTSC,	\$10,000 ~	Border 2020 and	E. Pimentel	Metrics: Convene binational enforcement.	Ongoing.
workshop for A	Z/SN and CA/BC	SPA, ADEQ, CEDES		existing RCRA	Pimentel.emily@epa.gov		This action will be
border enforcer	nent.			program funds		Results:	included in the 2015-2016
						Task Force convened in June 2013. Completed one	Action Plan.
						of five workshops.	

ARIZONA-SONORA BORDER 2020 MASTER ACTION PLAN – Final Closeout Report 2013-2014 Environmental Health Fundamental Strategy

Description of Project	Collaborating Organizations	Cost	Sources of Funding	Points of Contact	2013-2014 Target Output and Results	Status
EPA and the U. S. Section of the	CDPH, ADHS, EPA, HHS	\$0	HHS, EPA,	Alheli Banos-Keener (EPA),	Metrics: Adopt a new Collaborative Agreement	Ongoing.
Border Health Commission			CDPH, ADHS,	Carlos Rincon (EPA),	between EPA and USBHC on environmental health.	This action will be
formally adopt a Border Health			USBHC, partners	Lisa Almodovar (EPA),		included in the 2015-2016
Collaborative Agreement to				April Fernandez (CDPH),	Results: Agreement reached in August 2014 with	Action Plan.
leverage mutual resources to				Robert Guerrero (AZDHS),	commitments and goals to be implemented for the	
improve environmental health				Jose Luis Velasco (HHS-	next 2 years. See web-page for more information:	
along the U.SMexico border.				BHC)	http://www2.epa.gov/border2020	

Implement Healthy Homes	EPA, SERI, UNLV, National	\$	R9 Land Division,	Jackie Menghrajani (EPA)	Metrics: Implement Healthy Homes training	Completed
Training	Healthy Housing Training		OCHP		workshop.	
	Network					
					Results: Trained approximately 31 promotores and	
					community health workers in Tucson, Arizona on	
					September 16-17, 2014 on Healthy Home concepts.	
Train the Trainer workshops for	EPA, Campesinos sin	EPA staff time	R9 Pesticides	Fabiola Estrada (EPA)	Metrics: Implement Promotor Training on pesticide	Completed
personnel who train farmworker	Fronteras	and travel	Office, Border		safety and on the Worker Protection Standard	
and pesticide handlers and on the			2020 Program			
Worker Protection Standard.					Results: Provided train-the trainer education for	
					promotores in San Luis, Arizona, August (2013 and	
					2014).	