ADEQ PPG SUMMARY by OBJECTIVE

			PPG				PPG Match			Other State Match			Other State			Other Federal				Other IGA				Total				
			FTE	Personnel Expense	Non-Personnel Expense	Aid to Organizations	FTE	PE Cost	NPE	FTE	PE Cost	NPE	FTE	PE Cost	NPE	FTE	PE Cost	NPE	AID	FTE	PE Cost	NPE	AID	FTE	PE Cost	NPE	AID	Output Total
1.1	Improve Air Quality	5.23 FTE; $831,698 Output Total	5.23	$ 754,754	$ 76,944	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	5.23	$ 754,754	$ 76,944	$ -	$ 831,698
1.2	Provide for Clean and Safe Water	37.74 FTE; $8,524,717 Output Total	17.64	$ 2,385,930	$ 863,348	$ -	8.15	$ 1,103,108	$ -	1.38	$ 187,114	$ -	3.38	$ 457,490	$ 599,812	2.28	$ 307,765	$ 903,305	$ 404,403	4.90	$ 663,312	$ 649,130	$ -	37.74	$ 5,104,718	$ 3,015,595	$ 404,403	$ 8,524,717
1.3	Revitalize Land and Prevent Contamination	2.11 FTE; $302,917 Output Total	2.11	$ 293,697	$ 9,220	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	2.11	$ 293,697	$ 9,220	$ -	$ 302,917
2.1	Enhance Shared Accountability	3.43 FTE; $1,059,116 Output Total	3.43	$ 427,823	$ 46,293	$ 585,000	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	3.43	$ 427,823	$ 46,293	$ 585,000	$ 1,059,116
2.2	Increase Transparency and Public Participation	2.13 FTE; $304,861 Output Total	0.55	$ 72,145	$ 377	$ -	0.64	$ 73,095	$ 1,685	0.00	$ -	$ -	0.95	$ 154,135	$ 3,425	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	2.13	$ 299,375	$ 5,487	$ -	$ 304,861
3.1	Compliance with the Law	37.96 FTE; $28,330,739 Output Total	8.38	$ 966,742	$ 400,727	$ 47,000	6.32	$ 729,250	$ 4,741,465	0.00	$ -	$ -	11.91	$ 1,374,403	$ 18,744,559	0.00	$ -	$ -	$ -	11.35	$ 1,309,901	$ 16,693	$ -	37.96	$ 4,380,296	$ 23,903,443	$ 47,000	$ 28,330,739
3.2	Create Consistency and Certainty	1.89 FTE; $525,034 Output Total	0.95	$ 91,412	$ 389	$ -	0.33	$ 31,599	$ -	0.00	$ -	$ -	0.62	$ 59,565	$ 342,069	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	1.89	$ 182,576	$ 342,459	$ -	$ 525,034
3.3	Prioritize Robust Science	1.91 FTE; $240,151 Output Total	1.91	$ 238,293	$ 1,858	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	0.00	$ -	$ -	$ -	0.00	$ -	$ -	$ -	1.91	$ 238,293	$ 1,858	$ -	$ 240,151
3.4	Streamline and Modernize	32.23 FTE; $5,294,151 Output Total	3.34	$ 426,128	$ 118,039	$ -	12.05	$ 1,535,306	$ 2,693	0.00	$ -	$ -	15.26	$ 1,926,637	$ 1,083,465	0.00	$ -	$ -	$ -	1.58	$ 200,371	$ 1,512	$ -	32.23	$ 4,088,443	$ 1,205,708	$ -	$ 5,294,151
3.5	Improve Efficiency and Effectiveness	15.52 FTE; $2,321,136 Output Total	11.65	$ 1,401,337	$ 380,696	$ -	1.22	$ 146,473	$ -	0.00	$ -	$ -	2.05	$ 247,213	$ 47,664	0.00	$ -	$ -	$ -	0.59	$ 71,511	$ 26,241	$ -	15.52	$ 1,866,534	$ 454,601	$ -	$ 2,321,136
			55.18	$ 7,058,261	$ 1,897,890	$ 632,000	28.71	$ 3,618,832	$ 4,745,842	1.38	$ 187,114	$ -	34.17	$ 4,219,442	$ 20,820,995	2.28	$ 307,765	$ 903,305	$ 404,403	18.43	$ 2,245,095	$ 693,575	$ -	140.14	$ 17,636,509	$ 29,061,608	$ 1,036,403	$ 47,734,520

EPA STRATEGIC GOAL:	1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	1.1	Improve Air Quality

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 10,802 (5.19 FTE) labor hours, at a cost of $754,754, and $76,944 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 10,802 (5.19 FTE) labor hours at a cost of $754,754 and $76,944 in non-personnel costs and $0 in Aid to Organizations. In addition to $0 PPG State match, , $0 will be contributed from non-PPG State match, $0 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $831,698. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
1.1.1 by Value Stream Name	**Planning, Program Development and Implementation**					**5.19 FTE; $831,698 Output Total**			
2S01 Monitoring & Assessment	**Improve air quality by continuously evaluating and improving grant and program administration processes. **SEE OBJECTIVE 3.5.1 FOR OUTPUT & PERFORMANCE MEASURES****							Lauren Maghran	Brad Busby
2S03 Air Improvement Planning	**Improve air quality and potentially take action on climate change through the development of non-attainment area and maintenance area revisions to the State Implementation Plan (SIP) for the abatement and control of air pollution. This responsibility includes working with the two County air quality planning programs and one County air quality district to develop and submit State Implementation Plan revisions and as well as development and submittal of State Implementation Plan revisions for planning areas in ADEQ's jurisdiction.**							Lauren Maghran	Joe Martini
	Submit non-attainment area State Implementation Plans for the following areas and pollutants:					Arizona is working on the 2010 SO2 transport SIP (i-SIP Element D prongs 1 and 2)			
	Yuma Ozone	6/30/2020	100%	7/25/2019	25%	Starting work on rule-making process for emission statements			
	Yuma PM_{10} Plan	6/30/2020	100%	7/25/2019	50%	Conducting stakeholder process in the next two months.			
	2010 SO2 transport SIP (i-SIP Element D prongs 1 and 2)	7/31/2021	100%						
	Submit re-designation to attainment State Implementation Plans for			5/20/2019	100%				
	Ajo PM_{10} Re-designation	12/31/2018	100%	7/25/2019	60%	Area has violated the standard, we are working with M&A on preparing an exceptional event			
	Douglas-Paul Spur PM_{10} Re-designation	6/30/2019	100%	7/25/2019	30%	Area has violated the standard, this will be converted to a non-attainment plan.			
	Hayden PM_{10} Re-designation	6/30/2019	100%	7/25/2019	70%	Article 6 to be revised			
	Miami PM_{10} Re-designation	12/31/2018	100%	7/25/2019	65%	Creating Emission Inventory			
	Rillito PM_{10} Re-designation	6/30/2020	90%	7/26/2019	60%	Creating a maintenance plan and redesignation request			
	Nogales $PM_{2.5}$ Re-designation	6/30/2019	100%						
	Submit other Clean Air Act required State Implementation Plans:			7/26/2019	50%	Finalize Technical Review and SIP Preparation			
	Regional Haze Update	6/30/2020	50%	7/26/2019	75%	PM2.5 rule complete, submit for 2012 standard. Submitted Step 1 PM10 Element D Assessment. Report is submitted.			
	All PM10 and PM2.5 Infrastructure SIPs	6/30/2020	90%		100%				
	Ozone Infrastructure SIP	12/31/2019	100%	7/26/2019	95%	Stakeholder Review			
	Agriculture BMP	6/30/2020	90%		100%				
	Landfill (111d)	12/31/2019	100%	7/26/2019	35%	Working on i-SIP Element D prongs 1 and 2. Running modeling and work with EPA to review and comment.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2S03 Air Improvement Planning	**Improve air quality by enhancing shared accountability through partnering with the counties in Arizona to implement a voluntary lawn and garden equipment reduction program. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Joe Martini and Heather Colson
2S03 Air Improvement Planning	**Improve air quality through the collaboration and partnering with other state and local agencies to create and implement Urban Forestry/Ozone Sink projects within the ozone non-attainment areas. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Joe Martini and Heather Colson
2S03 Air Improvement Planning	**Improve air quality through administering and providing oversight to the Trip Reduction Program (TRP) for Counties within Arizona State. **SEE OBJECTIVE 2.1.1 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Joe Martini
1.1.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
2S01 Monitoring & Assessment	**Improve air quality by improving the efficiency and effectiveness of the Smoke Management Program, which is specific to forest and rangeland prescribed burns performed by federal and state land managers and also involves the tracking and response to wildfire smoke impacts. **SEE OBJECTIVE 3.5.2 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Brad Busby
1.1.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
2S02 Facilities Emissions Control	**Improve air quality through the chemical application projects to address dust mitigation across the State of Arizona. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Balaji Vaidyanathan
2S02 Facilities Emissions Control	**Improve air quality by maintaining the effective means to achieve compliance with provisions of the Federal Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations for jurisdictional counties. This program requires field inspections, public outreach, and enforcement activities to ensure compliance with the thorough survey, requirements, notification, emissions controls, waste disposal and management statutes and regulations. Asbestos NESHAP sources are defined to include any applicable ongoing demolition or renovation activity at a defined facility. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Balaji Vaidyanathan
2S02 Facilities Emissions Control	**Improve air quality through the maintenance of the Agricultural Best Management Practices (AgBMP) program, to reduce the amount of particulate matter (PM10) emissions in the PM10 from agricultural sources in the nonattainment areas of Maricopa, Pinal, and Yuma Counties. This program comprises field inspections, public outreach, and enforcement activities to ensure compliance with the Ag MBP PM10 general permit record requirements. Ag BMP PM10 general permit records are required for commercial sources including crop operations, dairy operations, beef cattle feedlots, poultry facilities, and swine facilities. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Balaji Vaidyanathan
2S05/06 Vehicle Emissions Control	**Improve air quality through administering the Vehicle Emissions Control Program, which ensures that all registered Arizona vehicles comply with air quality standards through testing. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Steve Calderon
1.1.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
2S03 Air Improvement Planning	**Improve air quality by addressing the mobile source contirbuting to the majority of the emissions in the ozone non-attainment areas. **SEE OBJECTIVE 3.5.4 FOR OUTPUT & PERFORMANCE MEASURES ****							Lauren Maghran	Joe Martini and Heather Colson
1.1.5 by Value Stream Name	**Data Management and Reporting**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2S01 Monitoring & Assessment	Improve air quality through continued support and improvement of the ambient air monitoring data collection system, AirVision, including maintenance and upgrades of the software, including providing near-real-time public access to data. **SEE OBJECTIVE 3.5.5 FOR OUTPUT & PERFORMANCE MEASURES **							Lauren Maghran	Brad Busby
2S03 Air Improvement Planning	Improve air quality through the development of a standardized pollutant-specific, area source, statewide emissions inventory of NOx and VOC air pollutant emission sources within the boundaries of the State for reporting emissions data to EPA and for use in technical analyses and area-specific State Implementation Plans. **SEE OBJECTIVE 3.3.5 FOR OUTPUT & PERFORMANCE MEASURES **							Lauren Maghran	Joe Martini
1.1.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			
2S01 Monitoring & Assessment	Improve air quality by continuously evaluating and improving network design, site operations, data collection and processing, quality assurance and control, and reporting activities during the grant period. **SEE OBJECTIVE 3.5.6 FOR OUTPUT & PERFORMANCE MEASURES **							Lauren Maghran	Brad Busby
1.1.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			
1S06 Legislative Affairs	Improve air quality by promoting actions to measure air pollution concentrations, identify significant sources of air pollution, and work with the Mexican governments to reduce emissions around the Arizona-Mexico border. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES **							Lauren Maghran	Edna Mendoza
1.1.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
2S01 Monitoring & Assessment	Improve air quality by passing grant money to the Intermountain Region - Grand Canyon National Park Service to improve public awareness, outreach, and education via a self-contained Village Green park bench pollutant monitoring station (ozone, fine particulates, black carbon, nitrogen dioxide, volatile organic compounds, and meteorology). The Intermountain Region – Grand Canyon National Park Service will purchase, install and maintain a Village Green air monitoring station park bench that will provide a powerful tool that passively provides Grand Canyon visitors with live air quality data for pollutants that can impact the quality of their views and pose health concerns. The data gathered by the Village Green Bench will be live streamed to the EPA Village Green website and stored in a national database, where it can be utilized by land managers and public health officials to help them better understand and assess the impacts of events like wildfires on ozone and particulate concentrations at the location of the bench at the Grand Canyon. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES **						Grand Canyon National Park Service Work Plan	Lauren Maghran	Brad Busby
2S01 Monitoring & Assessment	Improve air quality by passing grant money to the Pinal County Air Quality Control District to assist in on-going program obligations. These obligations include operation of an ambient monitoring program, a compliance and inspection program, tracking of specific rules required under the West Pinal PM10 SIP, air quality reporting and forecasting, and general administrative overhead associated with the department. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES **						Pinal County AQC District Budget	Lauren Maghran	Brad Busby
1.1	**Objective Total - FYTD**					**5.19 FTE; $831,698 Output Total**			
	PPG Only Total					**5.19 FTE; $831,698 Output Total**			

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EPA STRATEGIC GOAL:	1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	1.2	Provide for Clean and Safe Water

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 78,492 (37.74 FTE) labor hours, at a cost of $5,104,718, and $3,015,595 in non-personnel costs and $404,403 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 36,687 (17.64 FTE) labor hours at a cost of $2,385,930 and $863,348 in non-personnel costs and $0 in Aid to Organizations. In addition to $1,103,108 PPG State match, , $187,114 will be contributed from non-PPG State match, $1,057,302 from additional State funding sources, $1,312,442 from other Intergovernmental Agreements, and $1,211,070 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $8,524,717. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
1.2.1 by Value Stream Name	**Planning, Program Development, and Implementation**					**6.57 FTE; $952,940 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by creating guidance documents to support permittees in understanding what is current best practices of preventing pollution from impacting groundwater. Arizona's rules and statutes specify facilities use the Best Available Demonstrated Control Technology (BADCT). These updated guidance documents and manuals will allow faster permit issuance with updated technologies, while providing consistency and certainty to the regulated community. **SEE OBJECTIVE 3.2.1 FOR OUTPUT & PERFORMANCE MEASURES ****								David Dunaway
4S01 Groundwater Protection	**Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES ****								David Dunaway
4S03 Surface Water Quality Improvement Planning	**Provide for clean and safe water by administering state and federal requirements of regional Water Quality Management Planning Program (CWA 604b Program).**							**No PPG FUNDING Review Needed**	Krista Osterberg
	Oversee ongoing WQM planning projects to ensure timely completion. Report status of WQMP projects received.	6/30/2019 6/30/2020		6/30/2019	See comments	**The 208 consistency reviews for the following time period: 7/1/18-12/31/18** Rainbow Forest Lagoon System - 7/9/18 AZ State Rockin Ranch Lagoon On-site System Page Springs Cellar WWS - 7/16/18 City of Chandler Ocotillo APP Mod. - 8/27/18 City of Goodyear 157th Ave APP and AZPDES - 9/9/18 City of Chandler Airport APP Mod– 9/25/18 Tieman Properties Subdivision on-sites -11/2/18 Cattail Cove APP - 11/26/18 ---------- **For the following time period - 1/1/19- 6/30/19** The Estates Subdivision - 1/19/19 ---------- **Several 208 amendments in process of approvalor approved:** CAG Northern Gila County Sanitation District - still in DPA process **CAG Queen Creek DMA and Service Area Expansion - approved** CAG Tri-City Sanitary District - still in DPA process CAG EagleCrest and PAG DMA Expansion -still in process			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Award SFY19 WQMP projects	8/15/2018		6/30/2019	See comments	This year's (FY18-19) 604(b) grant was awarded to the Yavapai County Flood Control. The project is to plan the restoration of habitat within the Granite Creek watershed, to reduce the flow of pollutants in stormwater. Ultimately, the reduction of stormwater will reduce non-point source pollutants to the impaired water body of Watson Lake. The first report of the Yavapai County grant is due this month. The DPA contracts are on-going with work toward planning projects that they will individually conduct in the next five years focused on point and non-point water quality projects. The Yavapai County planning project was completed successfully with the submittal of the plan to reduce e-coli contamination through monitoring and collection of water quality data, habitat restoration and provide public education on the issues facing the tributaries to the impaired water body, Watson Lake. Yavapai County is currently seeking funding to implement the planning project with DEQ and other agencies. All eight Designated Planning Agency (DPA) five year contracts were reconstructed and completed for signature by the WQ Director. The next SFY2020 604(b) grant awarded will be conducted by the Central AZ Governments to research the threat to groundwater in those areas of Pinal and Gila Counties dependent on septic use and how water quality can be improved and or protected by future planning in the region. The Town of Queen Creek (QC), AZ, a Designated Management Agency (DMA) increased the size of its DMA service area. Some propoerties on existing septic tanks will be connected to the QC collection system as weel as new development will be on sewer.			
	Release WQMP RFP for SFY20 - 100% of funds will be competed	4/1/2019		7/3/2019	See comments	All $60,000 of funds were released			
4S03 Surface Water Quality Improvement Planning	**Provide for clean and safe water by performing support activities for surface water program including development of program rules, procedures, and policies.**							Jared Vollmer	Krista Osterberg
	Provide draft Triennial Review to EPA for early engagement	8/30/2018		9/15/2018	Complete				
	Finalize triennial review								
	Meet with Governor's Regulatory Review Council (Strategy 1.a.ii)	~~1/31/2020~~ 9/4/2019				Revised date 9/4/19 mid-year. GRRC has document and on docket for Council Session on 9/4/19.			
	Submit to EPA for final approval (Strategy 1.a.ii)	~~12/4/2018~~ 1/31/2020				Revised date 1/31/2020 mid-year. Baring any major changes by GRRC, planned submission date to EPA is 9/18/19.			
	Development of draft stream nutrient criteria for statewide wadeable, perennial streams, with N-STEPS funded technical assistance, as input to the 2022 triennial review standards development process (draft technical report due Dec 2019).	12/30/2019				ADEQ has provided 2018 datasets, been corresponding with TetraTech regarding data questions/problems, and Tetratech is beginning work on re-evaluating reference site classes, updating diatom names & attributes,and analyzing diatom, chlorophyll and macroinvertebrate-nutrient relationships.			
	Conclude the draft lakes nutrient criteria by responding to EPA comments on Dr. Walkers work, in preparation for inclusion in the 2022 triennial review standards development process.					Continuing progress. Should see a draft report late fall 2019.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	~~Prepare draft narrative lakes nutrient criteria and implementation procedures for public comment. (Strategy 1.1.ii)~~	~~6/30/2018~~ 6/30/2021				"Revise Draft Narrative Nutrient Criteria, Dissolved Oxygen Criteria and Implementation Procedures for public comment in the next Triennial Review (Strategy 1.1.ii) Due 6/30/2021"			
4S04 Safe Drinking Water	**Provide for clean and safe water by ensuring that new community water systems and non-transient, non-community water systems, which commenced operations since October 1, 1999, can demonstrate technical, managerial and financial capacity to operate in compliance with the requirements contained in the federal regulations in effect at the time the water system begins operations.**							?	Jennifer Peterson
	Continue WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Identify technical, managerial and financial (TMF) obstacles/challenges faced by existing systems and implement strategies to address.								
	Report permitting decisions on elementary business plan applications.	Semi-Annual		12/31/2018 6/30/2019	0 0	There were no elementary business plans approved in FY19			
	Conduct ongoing training for PWS staff/certified operators which, at a minimum, will include the following topics:					Capacity development training program on hold; issues with event planner.			
	Monitoring Assistance Program	Annually	2	6/30/2019	0				
	New PWS capacity development	Annually	2	12/31/2018 6/30/2019	0 0				
	EMP/ERP/VA	Annually	2	6/30/2019	0				
	Existing Safe Drinking Water rules	Annually	4	12/31/2018	4	8/30/2018, 9/25/2018, 10/29/2018, 5/16/19			
	FY 18 Annual Report	8/31/2018		8/31/2018	1	Submitted 8/31/18			
	FY 19 Annual Report	8/31/2019		9/3/2019	1				
	Re-evaluate the capacity development programs as part of the development of the small systems compliance strategy.	6/30/2019		6/30/2019		Will continue re-evaluating once new TA staff on board			
4S05 Water Reuse	**Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water and by administering the Water Re-Use Program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES ****							?	David Dunaway
4S00 Water Qualtiy Division	**Provide for clean and safe water by coordinating the development and amendment of annual water quality work plans and grants. Plan control and monitor expenditures of manpower and state/federal financial resources.**							**No PPG FUNDING Review Needed**	Randy Matas
	Develop two-year FY19 and FY20 Integrated Water Quality Division Work plan and submit to EPA.								
	FY20 Draft	3/1/2019		3/4/2019	Sent Report				
	FY20 Final	5/31/2019		5/17/2019	Sent Report				
	FY21 Draft	3/1/2020							
	FY21 Final	5/31/2020							
	Coordinate development of performance reports								
	Final FY18 Output Report to EPA	8/31/2018		9/5/2018	Sent Report				

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	FY19 Mid-Year Output Report to EPA	2/15/2019		2/15/2019	Sent Report				
	Final FY19 Output Report to EPA	8/31/2019		8/30/2019	Sent Report				
	FY20 Mid-Year Output Report to EPA	2/15/2020							
	Final FY20 Output Report to EPA	8/31/2020							
	WQ Planning documents								
	Submit a mid-year budget status summary for federal funds	2/15/2019 2/15/2020		2/15/2019		Budget status summary included in output report			
4S00 Water Qualtiy Division	**Provide for clean and safe water by managing the Water Quality Division and Section programs. Perform managerial, administrative, and other program duties. Advise management team and provide guidance and training to staff. Provide program oversight and guidance to regional staff perfoming tasks under the integrated work plan. Coordinate development and implementation of delegation agreements. Coordinate necessary rules and policy development for division programs. Provide senior level technical, regulatory and hydrologic support to the Division Director, the Water Quality Division, and the agency. Develop concise, comprehensive, and technically and legally defensible products supporting development, implementation, and interpretation of WWQD programs. Process fees and related administrative tasks for the Division.**							?	Randy Matas
	Participate in EPA/ADEQ grant meetings:								
	End of year review for FY18	9/30/2018		10/11/2018	Complete	EPA/ADEQ EOY Close-out meeting at Region 9.			
	Mid-year review for FY19	2/28/2019		3/18-3/19 2019	Complete	EPA traveled to Phoenix for Mid-year Review			
	EPA negotiation meetings for FY20	3/31/2019		3/18-3/19 2019	Complete	EPA traveled to Phoenix for FY20 negotiations			
	End of year review for FY19	9/30/2019		10/8/2019		ADEQ to travel to Region 9			
	Mid-year review for FY20	2/1/2020				EPA travels to Phoenix for Mid-year Review			
	EPA negotiation meetings for FY21	3/31/2020				EPA travelsto Phoenix for FY21 negotiations			
	Manage division rules agenda								
	5-year reviews	6/30/2019 6/30/2020		7/22/2019	Legis Proposal	TMDL			
	Executive Order 2015-01 reducing regulatory burden	8/1/2019 8/1/2020		8/1/2019		no update			
	Rule packages with governor's exemption	6/30/2019 6/30/2020		6/30/2019		no update			
	If resources are available, ADEQ will attend the:	6/30/2019 6/30/2020		6/30/2019		no update			
	Fall ASDWA meetings and associated ASDWA-EPA roundtable								
	If resources are available, ADEQ will attend the:	6/30/2019 6/30/2020		10/30/2019		Registered			
	Spring ASDWA meetings and associated ASDWA-EPA roundtable								
	If resources are available, ADEQ will attend the EPA Region 9 State Directors Meeting	6/30/2019 6/30/2020		3/1/2019	Attended				
	If resources are available, ADEQ will participate in rule development workgroups/workshops as requested by ASDWA or EPA.	6/30/2019 6/30/2020		n/a		None in SFY19			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
1.2.2 by Value Stream Name	**Permitting and Certifications**					**3.35 FTE; $469,037 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by administering Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies. Assist individual wastewater systems to improve operations on site. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES ****							?	David Dunaway
4S02 Surface Water Protection	**Provide for clean and safe water by administering CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Andy Koester
4S02 Surface Water Protection	**Provide for clean and safe water by administering federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies. **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Krista Osterberg
4S04 Safe Drinking Water	**Provide for clean and safe water by performing Drinking Water Plan Reviews **SEE OBJECTIVE 3.4.2 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Jennifer Peterson
4S04 Safe Drinking Water	**Provide for clean and safe water by adhering to the requirements of the Safe Drinking Water Act. The Safe Drinking Water Act requires states to adopt and implement a program for certification and recertification of the operators of community water systems (CWSs) and non-transient, non-community water systems (NTNCWSs) that meet the minimum standards set forth in guidelines to be published by EPA.**							**No PPG FUNDING Review Needed**	Jennifer Peterson
	ADEQ will conduct certification exams or contract with third party to conduct exams statewide, maintain registry of certified operators, and process and resolve disputes between persons and third party testers. ADEQ will continue outreach on the proposed operator certification fee rule as needed.								
	Conduct training workshops		6 Workshops Conducted		3	Workshops on 8/31/18; 9/25/18; 10/29/18			
	Report Certificates issued by class and grade	Semi-Annual	Report Produced	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019					
	Distribution Grade 1	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	252 441	693 cumulative total			
	Distribution Grade 2	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	183 339	522 cumulative total			
	Distribution Grade 3	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	102 203	305 cumulative total			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Distribution Grade 4	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	117 305	422 cumulative total			
	Treatment Grade 1	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	194 283	477 cumulative total			
	Treatment Grade 2	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	134 285	419 cumulative total			
	Treatment Grade 3	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	90 172	262 cumulative total			
	Treatment Grade 4	Semi-Annual		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	92 290	382 cumulative total			
	Review and verify professional development hours for certification renewals		10%	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	1236 renewed certificates 3357 renewed certificates	All training is reviewed and 10% is audited. 4,593 cumulative total renewed certificates			
	Conduct annual audit of approved third party proctors		100%	4/4/2019	1	Will schedule an audit before April 30, 2019 - Completed 4/4/2019			
	FY18 Annual Report to EPA	8/31/2018	Report Produced	8/30/2018	1				
	FY19 Annual Report to EPA	8/31/2019	Report Produced			Report in Management Review as of 8/28/19			
4S04 Safe Drinking Water	**Provide for clean and safe water by providing water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements. **SEE OBJECTIVE 2.1.8 FOR OUTPUT & PERFORMANCE MEASURES ****							**No PPG FUNDING Review Needed**	Jennifer Peterson
4S05 Water Reuse	**Provide for clean and safe water by ensuring Arizona's water supply remains sustainable by promoting recycled water to it's highest and best use. Maintain compliance with recycled/reclaimed water programs through effective permitting in accordance with Department rules, practices, and policies.**							**No PPG FUNDING Review Needed**	David Dunaway

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report number of permitting decisions on recycled/reclaimed water.	Semi-Annual		1/1/2019 6/30/2019	43 45	88 cumulative total			
1.2.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							?	David Dunaway
4S05 Water Reuse	**Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							?	David Dunaway
4S02 Surface Water Protection	**Provide for clean and safe water by conducting site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2004). **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Andy Koester
4S04 Safe Drinking Water	**Provide for clean and safe water by conducting compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies. Populate SDWIS sanitary survey fields. Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutues and rules. Utilize community liaisons to track progress toward meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Jennifer Peterson
4S04 Safe Drinking Water	**Provide for clean and safe water by continuing WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Jennifer Peterson
1.2.4 by Value Stream Name	**Project Management**					**6.13 FTE; $2,175,060 Output Total**			
4S03 Surface Water Quality Improvement	**Provide for clean and safe water by implementing watershed planning documents and other projects to protect and restore surface water quality. Conduct effectiveness monitoring and evaluations to track resulting water quality improvements. Report on NPS program progress and successes.**							Jared Vollmer	Krista Osterberg
	Oversee active Water Quality Improvement/Watershed Preservation grants and technical support contracts to ensure timely completion. (Objective 2.a; Strategy 3.b.iii)								
	ADDED 18-002 San Francisco Restroom Project (MISSING FROM THE REPORT); San Francisco River, WS; WQIG; E. coli	Closes 10/31/2019	Reduce E. coli through BMPs			Project switched gears due to several roadblocks from the orginal scope. ADEQ technical staff worked closely with GWP staff to identify an E.coli reduction restroom BMP along the banks of the San Franscico River where recreators gather. The restroom has been ordered and expected to be installed shortly. Water quality sampling plan overseen by ADEQ Citizen Science Coordinator		Jared Vollmer	

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	19-002 Menges Ranch Water System Maintenance Project; ~~Little Colorado River~~ San Francisco and Gila Rivers WS; WQIG; E. coli ~~Sediment~~	Closed 4/30/2019	Reduce *E. coli* through BMPs	4/30/2019		Project+J31:J41 will be completed by 4/30/19. Four of the five wells are complete. Remote Environmental Monitoring equipment installed at remote cattle watering tanks with joint cooperation from rancher and ADEQ. Ranching family presenting to Cattlemen Asso. on Feb 25 of remote sensing capabilities to monitor water level in tanks - and to keep cattle out of Gila/San Francisco Rivers. Remote Environmental Monitoring equipment installed at remote cattle watering tanks with joint cooperation from rancher and ADEQ. Ranching family presenting to Cattlemen Asso. on Feb 25 of remote sensing capabilities to monitor water level in tanks - and to keep cattle out of Gila/San Francisco Rivers. Remote water sensing equipment ordered, assembled, and field tested by ADEQ senior staff. Water sensing equipment is up and running. Grantee will continue to fund the remote sensing satellite fee into the futuure. Project is successfully closed. A follow up site visit is planned for fall months to evaluate effectiveness.		Jared Vollmer	
	19-003 Wetland Restoration on O'Donnell Creek; San Pedro River WS; WQIG, *E. coli*	Closes ~~4/30/2019~~ 10/31/2019	Reduce *E. coli* through BMPs			Project is moving forward, but slowly due to SHPO and consultant availability. ADEQ staff have been to site several times to take pre data measurements and during restoration work. Anticipate project extension. Anticipated project extension received. Contractor was secured and completed restoration work on degraded areas along O'Donnell Creek and associated wetlands. - a tributary to Babocomari River. The remaining tasks are being completed and will close on or before Oct 2019. ADEQ staff will conduct BMP evaluation and long term monitoring in high priority site.		Jared Vollmer	
	20-001 Miller Creek Bathroom; Granite Creek WS; WQIG; *E. coli*	Closes ~~10/31/2019~~ 10/31/2020	Reduce *E. coli* through BMPs			Restroom installation timeline is back on track after unforseeen permitting requirements to compact soil beneath the structure. ADEQ staff have visited site and have walked the Miller Creek , adjacent to the restroom, to review water quality sampling locations with Prescott Creek staff. Restroom installed on February 2019 and utilization is increasing month by month. Pre and post water quality monitoring conducted and reported in quarterly reporting and through citizen science reporting portal. Restroom sign collaboration with ADEQ Communication staff is underway. Restroom ribbon cutting event scheduled for fall. Project received extension for continued water quality sampling and match obligation.		Jared Vollmer	
	20-002 Sierra Ancha Trail Restoration; Salt River WS; WPG; Sediment	Closes 10/31/2019	Reduce sediment through through BMPs			American Conservation Experience and Arizona Conservation Experience completed trail restoration work on 45 miles. Preliminary sediment load reduction modeling is complete. ADEQ staff to visit site to walk trail and GPS BMP location in April 19. Restoration work complete. ADEQ, USFS, and NFF walked the project and conducted photomonitoring. Photomonitoring application developed with assitance and feedback from senior ADEQ staff. Project will be completed October 2019.		Jared Vollmer	
	20-003 Youth led Erosion and *E. coli* Mitigation in Nogales Wash and Santa Cruz Watersheds; Santa Cruz River WS; WQIG; *E. coli* /Sediment	Closes ~~10/31/2019~~ 12/31/2019	Reduce *E. coli* through BMPs			Restoration rock work was completed by Borderlands Eath Care Youth (BECY) on private ranch land in the Santa Cruz Watershed. Work is ready to begin in Smith Canyon on FS land soon. There was a waiting period to receive SHPO clearance. The remainder of the work is low tech rock work that youth are paricipating in and earning school credit. ADEQ staff has participated in rock work with the youth as well as video taping outreach material. Borderlands and BECY have moved to completing 100 rock structures in Smith Canyon. Plant planting will follow. A site visit is planned fall/winter when the project closes.		Jared Vollmer	
	20-004 Sediment Discharge Reduction through Brush Management in Altar Valley; Santa Cruz River WS; WPG; Sediment/*E. coli*	Closes 10/31/2019	Reduce E. coli through BMPs			Altar Valley developed a detailed brush monitoring plan/ ADEQ staff with consultant training Altar Valley staff remote sensing and on-the-ground photo monitoring to carry out before and after brush mangment aerial spray. The spay application was delailed do to drought conditions. Brush management workshops have taken place too. Herbicide treatment was successfully applied June 4-7 2019 after a long wait for the right conditions. Coordination and site visits with landowners occurred. Altar Valley staff provided on the ground support and documentation of the spray locations. Monitoring the effects will be next in the process.		Jared Vollmer	

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	20-005 Carrol Canyon Erosion Control to Protect Oak Creek; Oak Creek WS; WQIG; *E. coli*	Closes 10/31/2019	Reduce E. coli through BMPs	6/21/2018	Cancelled	Oak Creek Watershed Council voted to cancel grant due to Executive Director resignation and minimal operating fund. The group is reorganizing/structuring and will apply for grant opportunities.		Jared Vollmer	
	20-006 Buckhorn Water Enhancements Project; Verde River WS; WPG; Sediment	Closes 10/31/2019	Reduce sediment through BMPs			Substantial stock tank work has occurred in the spring. Five tanks have been rehabilitated as well as drone data collected from ADEQ staff has been collected. Road work is left to complete the project in the spring. Road work clearance not approved by USFS. Project basins restration complete and overseen/confirmed by contractor. Drone flyover is final task for project compleion.		Jared Vollmer	
	20-007 Rogers/Lee Ranch Streambank Treatment for Sediment Reduction; Little Colorado River WS; WQIG; Sediment	Closes 10/31/2019	Reduce sediment through BMPs			Expanded bank restoration work along Coyote Creek was given approval at the grantees request. The expanded work will complete restorative work along the entire reach of Coyote Creek under private property line. The landowner will be contributing to the restoration work as well as environmental consultant. Received final design for stabilization of bank which include bank sloping, netting, and reseeding will proceed in August. Materials list quate for purchased approved. Project will close on time.		Jared Vollmer	
	20-008 Knight Ranch Sediment Basins Rehabilitation; Little Colorado River WS; WQIG; Sediment	Closes 10/31/2019	Reduce sediment through BMPs			SHPO was received and environmental consultant developed basin for sediment-tank tank rehabiltation where headcuts are forming. The project was expanded to stabilize the a road crossing causing sediment transport to the Coyote Creek. Design plan for road crossing and basins approved. Basin and road work is completed and was overseen by NCD. Contractor visited the work again after heavy rains and where pleased. Project will close on time.		Jared Vollmer	
	21-001 Webber Creek Watrershed Preservation; East Verde River WS; WQIG; E.coli	Closes 10/31/2020	Reduce sediment through BMPs			ADEQ staff conducted site visit Dec 2018. Watershed study report prepared by WEST Engineering. Drianage Master Plan 75% complete. Plan includes toilet location and types as well as culvert locations and drainage routes on the entire boy scout property.		Jared Vollmer	
	21-002 Cienega Creek Watershed Erosion Control; San Pedro River WS; WQIG; E.coli and Sediment	Closes 9/30/2020	Reduce sediment through BMPs			MOU was signed between Pima County and WMG. Assessment and design of individual project sites was completed in May 2019. Waiting for SHPO /possibly 404 clearances.		Jared Vollmer	
	ISA Contract UofA Master Watershed Stewards ~~UA contract~~	Extended into FY19 closes May 31, 2020	Load reduction modeling, training, and load reduction in S.P.			UA Professor Dr. Guertin is providing annual load reduction modeling as well as training ADEQ staff on modeling applications. In the future months UA will begin researching and modeling cumulative load reductions in the San Pedro and determining risk factors. When contract ends, ADEQ will be taking over the load reduction estimating. Revised tasks include water quality risk assessment for the San Pedro from the US-Mexico Border to St. David, model cumulative effects of installed BMPs in the Babocomari River Watershed. Final project: model development, database design, and model simulations, and produce maps		Jared Vollmer	
	Contract with AGFD to implement watershed improvement projects	Extended into FY19 ~~Closes May 31, 2019~~ Closes August 31, 2019	Restoration on grasslands in northern and southern AZ			Windmill West ranch in Northern AZ went out for BMP work January. 2019. T-Six project and Spring Creek completed in Dec 2018. ADEQ staff have been to all site prior to implementation and during implementation for T Six and Spring Creek. ***2 more contracts separate from this one should be ready for signature end of Feb/1st of March. All projects are completed and inspected by ADEQ staff. Final reports are needed for offical close out.		Jared Vollmer	

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Future WQIG projects in Mexico implementing BMPs to reduce NPS pollution in AZ	Closes March 30, 2021	*E.coli* /sediment and copper load reduction from S.P.			Contract was executed 12/17/18. Insurance coverage in AZ is complete. Insurance in Mexico will be complete end of Feb. WMG is coordinating with Grupo Mexico to get on the ground to ID site restoration locations. Project in Mexico: Will need more detail on the work being done in Mexico for briefing managers. Approved and signed contract with Profauna. Workplan to include: site visit to Grupo Mexico mine in Canane, student participation in green Infrastructure workday at municipality, participation of cattle ranchers along the San Pedro, assist with private-public environmental policy of mining and water. The Prliminary research and contacts are underway.		Jared Vollmer	
	Effectiveness monitoring and BMP evaluations								
	Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY20 (Strategy 4.a.i)	5/31/2019		6/28/2019	Site list for FY20 sampling	Prioity sample sites have been incorpoarted into value stream wide FY20 sampling requirements. Sites are located on Boulder Creek, Pinto Creek, Mule Gulch, Big Bug Creek, Alum Gulch, Hassayampa River and Lynx Creek		Matt Bolt/Jared Vollmer	
	Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY21 (Strategy 4.a.i)	5/31/2020						Matt Bolt/Jared	
	Implement FY19 Effectiveness Monitoring & Evaluation Plan (Strategy 4.a.i)	6/30/2019		6/30/2019	Data collected on targed streams	Effectiveness monitoring is ongoing in Mule Gulch, Big Bug Creek, Alum Gulch, Turkey Creek, French Gulch and Pinto Creek. Data showed improvements in Alum Gulch, Mule Gulch and Pinto Creek. No data were collected on French Gulch and data were consistent with previous reductions seen in Turkey Creek.		Matt Bolt/Jared Vollmer	
	Implement FY20 Effectiveness Monitoring & Evaluation Plan (Strategy 4.a.i)	6/30/2020						Matt Bolt/Jared	
	Conduct San Pedro Effectiveness Monitoring and BMP Evaluations	6/30/2019 6/30/2020				The BMP effectiveness monitoring and evaluations has become a lower prioroty as watershed team is focused on implementing projects in targeted subwatershed. Effectiveness monitoring will be reinitiated when additional projects have been implmented. Overll BMP evaluation project is onhold until staff are reassigned to it. No additional work was initiated on this project. Evaluations may resume on FY20 as ADEQ develops a grazong strategy in the Babocamari River watereshed		Matt Bolt/Jared Vollmer	
	Continue Big Bug Effectiveness Monitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Sampling continued through FY19 Q2. Complete data review pending. Red Rock mine obtained and implemented MSGP (source of copper). WQARF project at Poland Walker in site assessment phase. Contractor completed site assessment in June 2019. Plugging the tunnel is not technically feasible to volume of water and direct surface connections from additional historic workings. ADEQ will determine path forward in FY20 Q1. Stormwater data indicates that SWQS exceedances continue several miles downstream compared to less than 1/4 mile under low flow conditions.		Matt Bolt	
	Complete Big Bug Data Summary	6/30/2020						Matt Bolt	
	Continue Mule Gulch Effectiveness Montitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Data were collected in FY19 Q2. Staff turnover has slowed data analysis. Data collection has remained challenging due to flashy nature of the watershed. Additional instrumentation will be installed in FY20 Q2.		Matt Bolt	
	Complete Mule Gulch Data Summary	4/30/2020						Matt Bolt	

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
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	Continue Boulder Creek Effectiveness Monitoring	6/30/2019	Additonal data	6/30/2019	Continued data collection and analysis	Quarterly sampling contiued through Q1 and Q2. Data below UTP has shown no exceedances. MTP project projected to be completed in FY19 Q3. Implmentation of the Hillside Mine adit plug and capping project was completed in June 2019. Effectiveness monitoring will continue through FY20.		Matt Bolt/Jared Vollmer	
	Complete Boulder Creek Effectiveness Monitoring	6/30/2020	Delisting					Matt Bolt/Jared Vollmer	
	Submit Pinto Creek TMDL for EPA approval (Strategy 1.ci);	~~9/30/2018~~ 8/15/19				Public comment responses and final TMDL under review by WQD mangement. Public notice process still needs to be completed post review. In order to be consistent with the Resolution Copper AZPDES appeal the mass based WLA for Capstone Outfall 005 will be chaged to a concentration based WLA. Response to comments will be reviewed and finalized on FY20 Q1.		Matt Bolt/CWA 106	
	Continue Pinto Creek Effectiveness Monitoring	6/30/2019 6/30/2020		6/30/2019	Continued data collection and analysis	Data collection has continued with storm samples having been collected in October. Results are being compared to preimplementation concentrations. Results near the Gibson Mine complex remain static showing improvement but well above SWQS. ADEQ is reengaging with the Friars in FY20 Q1 to determine need for additional work at the site. Equipment will be installed lower in the watershed to expand effetiveness monitoring efforts.		Matt Bolt/Jared Vollmer	
	Continue Alum Gulch Effectiveness Monitoring	6/30/2019		6/30/2019	Continued data collection and analysis	Data collection has continued with storm samples having been collected in FY19Q2. Results are being compared to preimplementation concentrations. Data showed imporvement over baseline conditions. The upper reach has shown significant improvement and may be able to be delisted in FY20 due to BMP implmentation by South 32 and historic Trench Camp mine.		Matt Bolt	
	Begin French Gulch Effectiveness Monitoring and deploy equipment	10/31/2018				Planning for effectiveness is under way. A MSGP inspection of the Zonia mine will occur in FY19 Q3. New ownership took over in FY19 Q4. A SWPPP was submitted as required by MSGP permit and is under review by ADEQ staff. Additional monitoring will be implemented once SWPPP has been approved and ADEQ understands permittees sampling program.		Matt Bolt	
	Conduct Little Colorado Effectiveness Monitoring and BMP Evaluations	6/30/2019 6/30/2020				This project is on hold pending results of renewed NRCS cooperation. There was no sampling conducted due to lack of cooperation with NRCS.		Matt Bolt/Jared Vollmer	
	Implement general nonpoint source education, outreach, and technical support activities as requested. (Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b)								
	Citizen Science Program								
	Train volunteers in Arizona watersheds	6/30/2019 6/30/2020				Annual training of volunteers to occur in FY19 Q3. 25 volunteer groups around the state were trained during the FY19.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Review and enter all volunteer data into WQDB	6/30/2019 6/30/2020				Data validation and upload to WQDB is ongoing. Manual entry became difficult to mange. The AWW is being configured to autamatically uplaod data to WQDB to streamline the process. Currently just under 3000 records are in the WQDB with an estimated 3500 records to be sumbitted and added at the end of most volunteers sampling season at the end of October 2019.			
	Enter load reduction data into GRTS in accordance with EPA requirements and deadlines and ensure mandated elements are up	2/28/2019 2/15/2020				GRTS load reduction data entry is on schedule. Data entry completed on February 28, 2019			
	Draft and submit Turkey Creek SP-12 report to EPA (Objective 4.b)	6/30/2019	1 report			Data analysis of recent WQ data will inform the SP-12 report. Draft report was sumitted to new NPS Success Story Template on July 26, 2019		Jared Vollmer	
	Draft and submit two WQ-10 and/or SP-12 reports to EPA (Objective	6/30/2020	2 Reports			2020 submission will include Boulder Creek		Jared	
	NWQI reporitng (Objective 4.b)	6/30/2019 6/30/2020				The FY19 may not be met due to lack of coordination on NWQI waters . Update pending meeting with NRCS in FY19 Q3. No additional data were collected to support NWQI efforts due to lack on cooperation.		Jared Vollmer	
	Conduct monthly update calls with EPA Region 9 (Objective 4.b)	Monthly				Excepting the period of government shutdown, calls occuring on a regular basis. Regular calls have continued.		Matt Bolt/Jared Vollmer	
	Report on annual progress of implementing the 2015-2019 NPS 5-year plan.							Jared Vollmer	
	Submit draft annual report to EPA for review and comment (Objective 4.b)	7/31/2018				Annual report is being reveiwed by section mangement.		Jared Vollmer	
	Submit final annual report to EPA (Objective 4.b)	9/30/2018				Final will be submitted in FY19 Q3. Final FY18 Annual Report sent to EPA in February 2019		Jared Vollmer	
	Submit draft FY19 NPS annual report to EPA for review and comment (Objective 4.b)	2/7/2020	Annual and 5yr summary report						
	Submit final FY19 annual report to EPA (Objective 4.b)	3/27/2020	Annual and 5yr summary report						
	Submit Draft 2020-2024 NPS 5-year plan	2/28/2019				Draft will be delayed until ADEQ new strategic plan is drafted so ADEQ can align NPS with agency priorities. Draft oultine provided to EPA R9 on July 31, 2019. Draft report is due to EPA November 15, 2019		Jared Vollmer	
	Submit Final 2020-2024 NPS 5-year plan	6/30/2019				Target = EPA Approval by 7/2019. EPA approval expected by the end of calendar year 2019.		Jared Vollmer	
	Report on annual progress of implementing the 2020-2024 NPS 5-year plan.							Jared Vollmer	
	Submit draft annual report to EPA for review and comment (Objective 4.b)	~~7/31/2019~~ 7/31/2020						Jared Vollmer	
	Submit final annual report to EPA (Objective 4.b)	9/30/2020						Jared	

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
4S04 Safe Drinking Water	**Provide for clean and safe water by identifying protective strategies and assist individual public water systems with the planning, development and application of measures/actions necessary to implement the Source Water Protection Program. Targets are our goals; however, the actual numbers achieved rely on the willingness and ability of public water systems to participate in the voluntary source water protection program (SWPP).**							**No PPG FUNDING Review Needed**	Jennifer Peterson
	a) Source Water Protection - provide technical assistance in planning and implementing local Source Water Protection for public water systems throughout Arizona.								
	b) Source Water Assessments - perform or assist in the development of assessments for new individual sources or new systems which voluntarily choose to participate in source water protection by delineating source water protection areas, inventorying potential sources of contamination and performing vulnerability/susceptability analysis.								
	c) GUDI/Suspect GUDI Evaluations/Hydrology reviews - Make sensitivity determinations for PWSs/sources through reviews of occurrence data, sanitary surveys, and hydrological characterizations.								
	Conduct Source Water Protection Program outreach events with individual PWSs.	6/30/2019 6/30/2020	6 6	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	12 15	27 cumulative total			
	Delineate source water assessment areas for new PWSs/sources or reassess/update existing assessment areas.			7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	4 1	5 cumulative total			
	Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.	6/30/2019 6/30/2020	2 2	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	4 1	5 cumulative total			
	Conduct comprehensive inventories of potential sources of contamination.	6/30/2019 6/30/2020	6 6	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	3 3	6 cumulative total			
	Collect locational data using GPS and/or GIS for potential sources of contamination (chemical use/storage) within 1/2 mile radius of a new or existing drinking water source.	6/30/2019 6/30/2020	3 3	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	4 4	Locational data only no plans 8 cumulative total			
	Identify any changes in trends to the previously identified, most prevalent, and most threatening potential sources of contamination.	6/30/2019		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	0 1	Will complete in May 2019 Completed May 2019			
	Assist public water systems to identify protection strategies and to implement those strategies.			7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	4 1	5 cumulative total			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Use new and updated SW assessment as part of a PWS's development of a SW Protection Plan	6/30/2019 6/30/2020	4 4	7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	4 1	5 cumulative total			
	Participate in regional source water protection calls/forums.	As scheduled / needed		7/1/2018 - 12/31/2018 1/1/2019 - 6/30/2019	0 0	Will participate as scheduled by EPA. Not scheduled by Ephraim			
1.2.5 by Value Stream Name	**Data Management and Reporting**					**2.48 FTE; $446,398 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by entering and evaluating data submitted by permittees under the APP program and results from the ambient aquifer monitoring program to inform accurate permitting and enforcement decisions in order to protect Arizona's aquifers as underground sources of drinking water.**							?	David Dunaway
	Maintain and update Groundwater databases and reporting systems.	Ongoing		12/31/2018 6/30/2019	Ongoing	Groundwater Protection brought on board a new data analyst allowing better reporting of metrics and visualization of data. Improved customer experience and reporting ability in anticipation of UIC primacy by requiring electronic reporting.			
	Provide analytical support to management for better decision making and allocation of resources.	Ongoing		12/31/2018 6/30/2019	Ongoing	Groundwater Protection brought on board a new data analyst allowing better reporting of metrics and visualization of data. Improved customer experience and reporting ability in anticipation of UIC primacy by requiring electronic reporting.			
4S03 Surface Water Quality Improvement Planning	**Provide for clean and safe water by developing Integrated Report of Impaired Waters.**							?	Krista Osterberg
	Share draft 2018 303(d) list of delisted waters, Mercury impairments, and response to comments	7/1/2018		6/15/2018					
	Send 2018 303(d) list of delisted waters, Mercury impairments and supporting information to EPA after publishing in the Arizona Administrative Register and the public comment periods.	9/1/2018		8/9/2018					
	Share draft assessment 2020/2018 305(b) and 2020/partial 2018 303(d) as comprehensive Integrated Report with EPA	1/30/2020							
	Develop 2020/2018 305(b) and 2020/partial 2018 303(d) comprehensive Integrated Report.	4/1/2020							
	Load assessment data to attains (Strategy 1.a.i)	4/1/2020							
	Send final 2020 assessment to EPA via ATTAINS	6/30/2020							

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide annual summary of data flowing to WQX/water quality portal.	8/30/2018 8/31/2019 9/1/2020				2018 Completed; 2019 on track.			
	Provide quarterly summary of amount of records flowing to WQX/water quality portal	Quarterly							
4S00 Water Qualtiy Division	**Provide for clean and safe water by facilitating the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate and improve the efficiency and effectiveness of water data capture, storage, access, retrievals, analysis, integration, and sharing. **SEE OBJECTIVE 3.5.5 FOR OUTPUT & PERFORMANCE MEASURES ****							?	Randy Matas
1.2.6 by Value Stream Name	**Monitoring (Data Collected, Equipment)**					**11.24 FTE; $2,317,579 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by monitoring groundwater discharges.**							?	David Dunaway
	Evaluate potential drinking water source impacts from ongoing and unauthorized discharges to groundwater.								
	Report list of ongoing and impactful facilities discharging to groundwater.	Semi-Annual	Provide List	1/1/2019 6/30/2019	2/6/2019 18.00	30 30			
	Produce report of potential impacts to water supplies at sites identified above.	Annual	Report (4)	1/1/2019 6/30/2019	2 1	Reports generated by third party contractors for Ruth Fisher Elementary School and IMSAMET aluminum reprocessing facility.			
4S03 Surface Water Quality Improvement Planning	**Provide for clean and safe water by administering the Monitoring Initiative (MI) Program and the Ambient Monitoring Program, which includes rivers and streams, lakes and reservoirs, groundwater, fish tissue and sediment sampling for priority pollutants. Monitoring to include targeted characterization, planning and/or probabilistic sites in support of 305(b) assessment process, maintaining designated uses, and CWA-SDWA coordination. **Please note that this deliverable receives partial funding from the 106 Monitoring Initiative grant, providing 1.94 FTE and $274,485. These deliverables and their respective target due dates are dependent upon the comingled funding provided. There is no deliverable that receives double-funding.**							Matt Bolt	Krista Osterberg
	Conduct ambient lake, fish, and stream monitoring according to the FY19 sample plans throughout Arizona.	6/30/2019		6/30/2019		Completed			
	Conduct ambient lake, fish, and stream monitoring according to the FY20 sample plans throughout Arizona.	6/30/2020				Ongoing			
	Send FY19 SAP to EPA (Strategy 1.a.i)	8/31/2018		7/18/2018					
	Send FY20 SAP to EPA (Strategy 1.a.i)	8/31/2019		8/15/2019		Combine with prep FY20 ambient per Matt Bolt			
	~~Prepare FY20 ambient monitoring plan (Strategy 1.a.i)~~	~~6/30/2019~~				Delete per Matt Bolt			
	Send FY21 ambient monitoring plan (Strategy 1.a.i)	8/31/2020							
	Share draft Comprehensive Monitoring Strategy with EPA	1/30/2020							
	Submit Arizona's Comprehensive Monitoring Strategy	6/30/2020							

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct nutrient monitoring for Rivers and Streams per FY19 sampling and analysis plan. (Strategy 1.a.i; Strategy 1.b.ii)	Quarterly				ADEQ collected 37 macroinvertebrate, 38 diatom, 56 chlorophyll and associated full chem sets & habitat data during the spring SEM 2019 monitoring season, for use as testing & validation of the upcoming stream nutrient criteria we are developing with TetraTech assistance.			
	Conduct nutrient monitoring for Rivers and Streams per FY20 sampling and analysis plan. (Strategy 1.a.i; Strategy 1.b.ii)	Quarterly				Pending FY19 results. Will send screenshot of A3 as part of monthly calls, as applicable.			
	Fish Probablistic Study data collection	6/30/2019				In Fy19, The Arizona Fish Consumption Advisory Program (AFCAP) evaluated 28 sites, sampled 24 waterbodies taking one mixed and 18 full samples. Due to budget constraints and the expense of PCB congener analysis, only nine samples were analyzed.			
	Fish Probablistic Study data collection, analysis & draft report, which will be shared with EPA	6/30/2020				In FY20 AFCAP will continue, resampling to three sites and analyzing the remaining samples and compose the draft report.			
4S04 Safe Drinking Water	**Provide for clean and safe water by performing the activities that support all the monitoring and reporting requirements for public drinking water systems in accordance with state and federal drinking water rules. **SEE OBJECTIVE 3.4.6 FOR OUTPUT & PERFORMANCE MEASURES ****							**No PPG FUNDING Review Needed**	Jennifer Peterson
4S04 Safe Drinking Water	**Provide for clean and safe water by assisting small public water systems serving fewer than 10,000 populations with improving system compliance through creating consistency and certainty for the regulated community by developing and implementing strategies to perform required monitoring. Provide techinical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed. **SEE OBJECTIVE 3.2.6 FOR OUTPUT & PERFORMANCE MEASURES ****							**No PPG FUNDING Review Needed**	Jennifer Peterson
1.2.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			
1S06 Legislative Affairs	**Provide for clean and safe water by continuing implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region. Coordinate with EPA on Border 2020, or subsequent U.S. Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program. This output is administered through a partnership with the ADEQ Legislative Affairs Value Streams (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES ****							Roger Kohn	Edna Mendoza & Randy Matas
4S01 Groundwater Protection	**Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program. **SEE OBJECTIVE 2.2.1 FOR OUTPUT & PERFORMANCE MEASURES ****							**No PPG FUNDING Review Needed**	David Dunaway
4S05 Water Reuse	**Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water. **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES ****							**No PPG FUNDING Review Needed**	David Dunaway
1.2.8 by Value Stream Name	**Grantor-Provided Requirements (Grant-specific pass-throughs)**					**7.98 FTE; $2,163,711 Output Total**			
4S03 Surface Water Quality Improvement Planning	**Provide for clean and safe water by planning and managing a Nonpoint Source (NPS) program, including the development of watershed planning documents (TMDLs, WQIPs, and EPA approved alternative plans) to improve surface water quality.**							Matt Bolt and Jared Vollmer	Krista Osterberg

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Complete TMDLs for Queen Creek (6) (Strategy 1.c.i)	9/30/2018				Project is on hold- revised federal WOTUS rule and available budget to rerun TMDL WQ model in response to public comments. There was no movement on this project in the second half of FY19. ADEQ still lacks the resources to rerun the model in response to public comments.		Matt Bolt	
	Submit draft Upper Santa Cruz Clean Water Plan to EPA (4) (Strategy 1.c.i)	5/31/2018		7/25/2019	Draft sent to Jared and Matt	Due to an email error, a second public comment period concluded January 31, 2019. One set of comments were received. The Arizona Administrative Record (AAR) public notice will publish on August 1. A link to the draft was provided to EPA R9 on July 25, 2019.		Matt Bolt/Jared Vollmer	
	Complete Santa Cruz Clean Water Plan and submit for EPA approval (4) (Strategy 1.c.i)	~~12/31/2018~~ 8/15/19				Target date for submission for EPA approval is May 2019. If there are no appeals through the AAR process, ADEQ will submit the Plan to EPA R9 for approval in late September.		Matt Bolt	
	Share draft San Pedro Clean Water Plan with EPA	10/1/2019				Need for CWP is being reevaluated given current prioritization of the upper San Pedro watershed. ADEQ has prioritized the Babocamari (tributary to the San Pedro) watershed to develop a strategy to address E. coli impairments in areas that may be impacted by grazing and rangeland management. The NRCS has expressed interest in making the Babocamari a NWQI watershed which will require plan development. Our approach is to build upon the efforts of several local groups and NRCS to develop a comprhensive stargety for the watershed that will include source and project identification.		Matt Bolt	
	Complete San Pedro Clean Water Plan and submit for EPA approval	12/31/2019						Matt Bolt	
	Continue Davidson Canyon baseline monitoring and draft data summary (Strategy 1.c.i)	6/30/2020	Data collection	Ongoing	Stormwater data collected	Sampling has continued through the first half of FY19 with basin wide data collected in September 2018. Additional sampling is scheduled to occur during the 2019 summer monsoon season.		Matt Bolt	
	Identify high-priority restoration and protection watersheds for NPS resources and share with EPA/on ADEQ website. (Strategy 1.b.i; Strategy 1.b.ii)	9/30/2018 9/30/2019	Identify priority watesheds		3 High priority watrsheds identified	The three watershed teams have identified and inlcude the Upper San Pedro, Verde River/Oak Creke and Bradshaw Mountains. Goal is to implement approx. 20 projects. Projects requiring ADEQ funds will be funded pending ADEQ management approval		Matt Bolt/Jared Vollmer	
	Provide semiannual updates to EPA on KOUI site activities and succcesses	6/30/2019 12/31/2019 6/30/2020		6/30/2019	see attached "FY19 KOUI Updates 4S03 1.2.8 " spreadsheet	KOUI stands for Known Ongoing Unauthorized Impacts to human health and the environment. These sites are the highest priority for the agency. The Surface Water value streams had identified 16 KOUI sites at the end of state FY19. Within the SW Improvement Value stream there are 10 KOUI sites and all are related to impacts from historic mining operations. In FY19 the values streams resolved 4 sites but added 3 others. One site was resolved but was subsequently added back to the list due to a reoccurance of permit limit exceedances.		Matt Bolt/Jared Vollmer	
	NPS Program Planning							Jared Vollmer	
	Host multi-agency nonpoint source prioritization meeting (Objective 3.c)	12/31/2018 12/31/2019	Meeting and action items	12/18/2019	Meeting and action items	ADEQ and USFS held annual meeting December 12, 2018. Cooridnation with priority watershed teams and appropriate USFS personnel is ongoing			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Coordinate with NRCS on National Water Quality Initiative (NWQI) planning and outreach activities for FY20. (Strategy 3.b.ii; Strategy 4.a.i)	6/30/2019 6/30/2020		6/30/2019		Staff turnover at the State NRCS office has decreased coordination. ADEQ will reinitiated contact in the second half of FY19. ADEQ met with Emily Fife (Assistant State Conservationist) on June 7 to discuss the current state of the NWQI watersheds. Selecting new waterheds was discussed and the Babocamari appears to be a good candidate. Additional discussions will be held in FY20 Q1.			
	WQIG Cycle Development							Jared	
	Host 2 project planning events for potential grantees (Strategy 3.b.ii; Strategy 3.c.i)	6/30/2019 6/30/2020	2 events 2 events	Ongoing		The San Pedro and VROC teams have participated in several planning meetings with potential direct funded grantees. ADEQ anticipates direct funding removal of unauthorized pull outs within Oak Creek Canyon in coordination with USFS and ADOT in FY20. This project is a direct result of previous planning events/meetings with stakeholders.			
	Release WQIG Cycle 22 RFGA	4/1/2019				Direct funded projects within priority watersheds may negate need for Cycle 22. ADEQ will make a decision by the end of March. ADEQ will not hav a competitive grant Cycle 22. ADEQ will direct fund projects using remaining NPS 28 and 29 grants and have all funds encumbured by the end of federal FY19			
	Award Cycle 21 project grants	9/30/2018		9/11/2018	Award Letters				
	Award Cycle 22 project grants	9/30/2019				This action will depend on need for Cycle 22. Since there will be Cycle 22 there will be no awards			
1.2	**Objective Total - FYTD**					**37.74 FTE; $8,524,717 Output Total**			
					PPG Only Total	**17.64 FTE; $3,249,278 Output Total**			

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EPA STRATEGIC GOAL:	1.	Core Mission: Deliver real results to provide Americans with clean air, land, and water
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	1.3	Revitalize Land and Prevent Contamination

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 4,384 (2.11 FTE) labor hours, at a cost of $293,697, and $9,220 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 4,384 (2.11 FTE) labor hours at a cost of $293,697 and $9,220 in non-personnel costs and $0 in Aid to Organizations. In addition to $0 PPG State match, , $0 will be contributed from non-PPG State match, $0 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $302,917. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
1.3.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0.32 FTE; $44,959 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through effective management of ADEQ's Hazardous Waste Program, administration of the RCRA grant activities, maintenance of state authorization.**							Sarah Samples	Terry Baer
	GRANT ADMINISTRATION								
	FY21-22 workplan and budget	5/1/2020	Final grant workplan and budget			An upated work plan/budget will be submitted for the PPG according to the agreed upon schedule for FY 2020			
	Notification to EPA of grant amendments in workplan for FY19-20	as needed	Notification letter			No amendments needed related to hazardous waste grant commitments.			
	Semi-annual progress report submitted by the following dates:	3/30/19 9/30/19 3/30/20 9/30/20	Progress reports	3/30/2019 9/30/2019	PPG report	Progress reports for the PPG will be submitted according to the agreed upon schedule for the FY19 grant.			
	Monthly grant administration calls with EPA	7/18 - 6/20 Monthly	Conference calls	7/18/2018 8/15/2018 9/19/18 10/17/18	Call dates	Nov and Dec 2018 call dates cancelled for holidays and annual Mar/April calls cancelled			
	Comments on EPA's draft End-of-Year evaluation reports 30 days after receipt	Annually	Comments via email to EPA grant coordinator	11/6/2018	comments on EOY draft				
	Host End-of-Year meeting with EPA	12/2018 12/2019	Meeting at ADEQ	12/13/2018	EOY meeting	Meeting held at ADEQ with Sarah Samples and Nicole Moutoux (EPA R9) and several participants via telecon.			
	PROGRAM AUTHORIZATION								
	Discuss with EPA any changes in the Arizona Hazardous Waste Program including proposed legislation, regulatory proposal, significant policies, and staffing	As part of monthly calls	Discussion documented in meeting notes and email			Updates are occurring on monthly calls and documented in call notes.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Update the "Federal Register Notices and State Authorization Tracking system (StATS) Reports for State Authorization under RCRA" annually	6/30/2019 6/30/2020	StATS report update	4/17/2019	update	Updated StATS report as requested by EPA.			
	Develop schedule for rule adoption and updated program authorization. Include EPA review of draft rule packages prior to final publication of rules.	9/30/2018	Schedule and project plan	9/1/2018	Rule adoption schedule, revised 10/5/18	These rules will be effective in Arizona on February 5, 2019: - Condition Exclusion for CO2 Streams in Geologic Sequestration Activities - Hazardous Waste Electronic Manifest System ("One Year Rule") - Revisions to the Export Provision of the CRT Rule - Disposal of CCR from Electric Utilities (Subtitle C provisions only) - Imports and Exports of Hazardous Waste - Hazardous Waste Generator Improvements Rule - Hazardous Waste Electronic Manifest System ("Fee Rule") It was agreed during EOY meeting (Dec 2018) that ADEQ would not submit a new authorization package until after completion of the next rule adoption process to include the Definition of Solid Waste (DSW) rule.			
1.3.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through management of ADEQ's hazardous waste permitting program. **SEE OBJECTIVE 3.5.2 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer
3S02 Hazardous Waste	**Revitalize land and prevent contamination through creating consistency and certainty through communicating and utilizing standard permitting processes. **SEE OBJECTIVE 3.2.2 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer
1.3.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through effective hazardous waste compliance monitoring and enforcement. Compliance with the law through an effective hazardous waste compliance monitoring and enforcement program. **SEE OBJECTIVE 3.1.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer
3S02 Hazardous Waste	**Revitalize land and prevent contamination through creating consistency and certainty through standardized inspections processes. **SEE OBJECTIVE 3.2.3 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer
1.3.4 by Value Stream Name	**Project Management**					**1.1 FTE; $152,883 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through investigation and remediation of sites in the RCRA Corrective Action program.**							Sarah Samples	Terry Baer

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Process the following CORRECTIVE ACTIONS:	For each corrective action the following information will be provided: date of RFI workplan, date of RFI report, date of CMS workplan, date of CMS report, date of CMI workplan, date of CMI report. In addition, any corrective actions using "Greener Cleanups" principles will be identified in the Comments block below. Any environmental justice issues will be identified, as well as a description of any actions taken such as the development of publications in Spanish or the use of translators at public meetings or hearings.							
	Universal Propulsion Company AZD 980 814 479 Groundwater and Soils			7/26/2018	Soil remedy complete	STATUS: The CMI Workplan for the former UPCO facility was approved 6/27/16 (REF: HWP-EX2920). A supplemental CMI workplan on the soil cover at "Water Bore" was submitted 8/23/16, and approved 10/25/16 (REF: HWP-EX2951). A remedy complete determination was entered into RCRAInfo when construction for both the the soils and groundwater remedies were completed on 6/7/19. The remedy for soils was completed on 7/26/18, the remedy for groundwater was completed 6/7/19. The GW treatment system is in pre-startup mode and will become operational in September 2019. It is expected that GW cleanup will be completed by 2030. Any updates to the status of this corrective action will be provided in this Comment Block.			
	CMI Report	TBD	Approval						
	Clean Harbors Arizona AZD 049 318 009 Groundwater and Soils					STATUS: The CMI Workplan for soils and groundwater contamination underlying the facility was approved 12/16/16 (REF: HWP-EX2966). On 11/16/18, ADEQ approved a workplan for completing the remedy following a series of steps including rebound testing and soil gas sampling. It is expected that the remedy for both soils and groundwater will be complete by 2021 -- a remedy complete determination will be entered at that time. Any updates to the status of this corrective action will be provided in this Comment Block.			
	CMI Report	TBD	Approval						
	Nammo Talley AZD 020 132 502 Groundwater and Soils					STATUS: An RFI for the Thermal Treatment Unit was submitted on 11/3/16. Comments on the RFI were transmitted on 1/3/17. An Interim Response Action plan was prepared 3/29/17, and was approved by ADEQ on 4/19/17 (REF: HWP-EX2991). A "Limited CMS" was submitted on 3/7/17. This CMS specifically addressed perchlorate and lead contamination in soils at the TTU. The remedy recommendation from the CMS has been incorporated into the closure and post-closure permit for the site. A site-wide CMS workplan for groundwater and soils will be submitted by September 2020. Any updates to the status will be provided in this Comment Block.			
	CMS Workplan	12/2018	Approval						
	CMS Report	TBD	Approval						
	Bean and Company AZD 000 819 565 Soils	TBD	Approval			STATUS: Site Characterization Report was approved 9/10/18 (REF: HWICU18-127). The site meets non-residential soil remediation levels for toxaphene. A DEUR must be submitted to limit uses of portions of the property to non-residential uses. The DEUR was submitted in June 2019, and currently under review. Any updates to the status will be provided			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Enter Corrective Action Activity Events into the RCRAInfo database as necessary. Data events include CA050 (RFA Complete), CA350 (CMS Complete), CA400 (Remedy Decision), CA725 (Current Human Exposures Under Control), CA750 (Groundwater Releases Controlled), CA550 (Remedy Constructed), CA770 (Engineering Controls Established), CA 772 (Institutional Controls Established), CA800 (Ready for Anticipated Use), CA900 (Corrective Action Performance Standards Attained) or CA999 (Corrective Action Process Terminated)	Within 30 days of event	Update Monthly	Ongoing		RCRAInfo data has been updated monthly.			
	Update the multi-year strategy for corrective action semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 1.3.4.1 is the multi-year strategy for corrective action. The attachment presents a list of the hazardous waste management facilities on the 2020 corrective action baseline. It includes the projected and actual dates that human health, groundwater, remedy constructed, remedy complete, and ready for anticipated use environmental indicators have or will be achieved.	1.3.4.1 Multi-year corrective action strategy		
	Report on Status of Greener Cleanups					The status of activities conducted pursuant to the ASTM International Standard Guide for Greener Cleanups will be provided below.			
	Nammo Talley / UPCO	6/2019	Update	11/16/2018	completed BMP spreadsheet	UPCO: Submitted to EPA for review and comments incorporated - complete			
	Clean Harbors Arizona/other site	6/2020	Update	11/16/2018	completed BMP spreadsheet	Cave Creek Landfill and Clean Harbors: Submitted to EPA for review and comments incorporated - complete.			
1.3.5 by Value Stream Name	**Data Management and Reporting**					**0.69 FTE; $105,075 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through management and oversight of hazardous waste facility data, manifests, and reporting.**							Sarah Samples	Terry Baer
	Data management and information systems oversight								
	Participate in RCRAInfo conference calls, attend training, and address software issues with EPA	7/1/18 - 6/30/20 monthly	As required	July - Nov 2018 Jan - June 2019	call participation	Paricipated in monthly RCRAInfo conference calls for each month during the second half of 2018 except for December as the call was during holiday. Also participated in e-Manifest webinars and several Region 9 conference calls focused on e-manifests and each states communication plan. Participated in monthly RCRAInfo conference calls during the first half of 2019.			
	Attend National RCRAInfo Users Conference if possible based scheduling and travel funding	Date TBA	As required			RCRAInfo Users Conference scheduled for August 2019. Plan on attending August/September 2020 conference in Chicago. Arizona is sending one representative to the RCRAInfo Conference in Chicago at the end of August 2019.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Ensure RCRAInfo data is accurately reflected in the source material and support periodic EPA data audits	7/1/18 - 6/30/20		12/31/2018 6/30/2019		Spent 240 hours making sure contact, owner and operator names, addresses, phones, emails and start dates were accurate in the 2018 BR submissions using the Arizona Corporation Commission and each Arizona County assessor's data. This infomation was then verified by the BR contacts. With myDEQ going live on October 1, 2018, the exact same process has folded into the standard work for checking all on-line notification submissions. This includes registrations by SQG and VSQG handlers. It is hoped that by the end of the registration process on March 1, 2019 the data in myDEQ will match RCRAInfo for each registration. All data for active Arizona EPA ID numbers will be up-to-date and accurate and the registrations act as subsequent notifications and will be translated to RCRAInfo via the node. Spent 40 hours during the second half of 2018 making sure land owner names and start dates matched those the appropriate county assessor's database. Also, adjusted points in the GIS system to center them on the property, building or suite for which an EPA ID number was assigned. Spent 50 hours during the first half of 2019 auditing this same information. Whenever an initial or subsequent notification is received by myDEQ this information is checked. The customer is notified though email that a change may be needed. They may make the change and resubmit the notification on-line at which time it is approved by staff , or the customer may reply with a reason the information in the assessor's office may not be correct. At that time, discussions are held until the correct information is identified and the notification is approved.			
	Administer the FAR/BRS Program								
	Provide customer assistance to LQGs and TSDFs	7/1/18 - 6/30/20	As needed	12/31/2018 6/30/2019		Provided email assistance through 815 emails to 215 customers. Also, provided assistance over the phone when needed. Provided email and phone assistance when needed. As of February 5, 2019 Arizona adopted new hazardous waste rules which eliminated the need for annual LQG FARs and reduced LQG FAR reporting to every other year to match the biennial requirement of the EPA. Because of this, during the first half of 2019 customer assistance to handlers was not segregated by handler type. See "Provide customer assistance to handlers" for aggregate data.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct appropriate data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20		12/31/2018 6/30/2019		Spent 240 hours making sure contact, owner and operator names, addresses, phones, emails and start dates were accurate in the 2018 BR submissions using the Arizona Corporation Commission and each Arizona County assessor's data. This infomation was then verified by the BR contacts. Approximately, 800 registration submissions were entered into Arizona's ARID database updating the information for SQGs, CESQGs, as well as, LQGs. Not applicable for 2019.			
	Obtain long FAR forms with instructions and post the forms/instructions on ADEQ's website	11/30/18		12/31/2018 6/30/2019		Forms were posted in late 2017 on ADEQ's website. No alert letter was sent to LQG customers as the RCRAInfo BR portal was not on-line at the time when reporting began. LQGs called or were called individually and instructed how to report and the report options. Not applicable for 2019.			
	Provide EPA with a list of the LQGs and TSDFs that will complete a BRS	12/31/19	1	12/31/2018 6/30/2019		Created baseline checklist in early January 2018. The initial checklist consisted of all sites with the current status of LQG, all sites that had submitted a BR for previous reporting periods and all sites that had been LQG since 2006. The initial list contained 627 sites. After QA/QC the number of required reports was reduced to 357. Not applicable for 2019.			
	Collect all LQG FAR forms	1/1/19–3/1/19	2	2/5/2019 6/30/2019	Rule revision eliminates FAR starting 2019	EPA may grant extensions until 4/1/18 and delinquent reports will be accepted up through July 1, 2018. Of the 357 required reports, 350 were received and entered through the BR portal. Two reports that were rejected could not be recovered by the deadline and, therefore, were not included. Five sites could not be contact and did not submit reports. The result was a response rate of 98.0%. Through manifests records it was determined that the submitted reports accounted for 99.6% of the waste shipped by LQGs in Arizona during the 2017 calendar year. Not applicable for 2019.			
	Contact sites and obtain correct information and/or amended reports.	3/1/19 – 10/31/19	As needed	12/31/2018 6/30/2019		This process ran from January 1, 2018 thourgh November 6, 2018 as EPA granted Arizona a few extra days before declaring our submission final in order to recover as many reports rejected by mistake as possible. Not applicable for 2019.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide 1st extract of the BRS data electronically to EPA.	7/1/18 7/1/20	1	12/31/2018 6/30/2019		As Arizona was using the RCRAInfo BR portal the state did not need to upload the usual flat file submission. Arizona requested its state summary report in early July 2018. Not applicable for 2019.			
	Provide final BRS data submission to EPA electronically	10/31/18	1	11/6/2018 6/30/2019	Final BR	EPA granted Arizona an extension to the November 1, 2018 date so that ADEQ could try to recover as many BR reports that were mistakingly rejected as possible. Arizona declared its submissions final on November 6, 2018. Not applicable for 2019.			
	QA/QC of data, verification and cross checks against previous year's data.	7/1/18 – 10/31/18	1	12/31/2018 6/30/2019		This was done in conjuction with answering questions within the state summary report. Cross checks were conducted from July 2018 through October 2018. Not applicable for 2019.			
	Administer the Notification and SQG FAR Program								
	Provide customer assistance to handlers	7/1/18 - 6/30/20		2/5/2019 6/30/2019	Rule revision eliminates FAR starting 2019	ADEQ staff answer questions over the phone concerning notifications and registration (SQG FAR) as needed. In addition, during the second half of 2018, staff responded to: 347 emails from 127 customers concerning paper notifications; 69 emails from 40 customers concerning paper registrations; and 170 emails from 66 customers concerning on-line notifications though myDEQ. During the first half of 2019 ADEQ staff presented information to guide handlers in the use of e-Manifests and myDEQ's hazardous waste on-line portal during a Phoenix Workshop on May 22 and at the Southern Arizona Environmental Managers Conference in Tucson on May 9. In addition, staff responded to: 531 emails from 125 customers concerning myDEQ; 20 emails from 13 customers concerning notifications in general; and 4 emails from 4 customers concerning the registration (SQG FAR) process.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Issue EPA ID Numbers (including permanent and provisional numbers)	7/1/18 - 6/30/20	14 days from receipt	12/31/2018 6/30/2019		During the second half of 2018, staff issued 85 new EPA permanent and provisional EPA ID numbers submitted on paper. Processed 37 subsequent notifications submitted on paper. A total of 232 notifications requests that required staff auditing were submitted on-line through myDEQ. Of these, 41 were initial notifications; 179 were subsequent notifications and one was a provisional number. Eleven request were denied based on an initial notification request for a site already having an EPA ID number. As of December 31, 2018, 167 notifications were awaiting approval by ADEQ staff. The backlog was due to over 150 subsequent notifications submitted during the second half of December in anticipation of the requirement to submit registrations (SQG FARs) on-line rather than on paper. During the first half of 2019, a total of 250 notification requests that required staff auditing were submitted on-line through myDEQ. Of these, 63 were initial notifications, 122 were subseqent notifications, and three were provisional notifications. Twenty-one requests were denied. As of June 30, 35 notifications were awaiting approval by ADEQ staff. myDEQ also processed 362 subsequent notifications that needed no auditing between October 1, 2018 and June 30, 2019.			
	Conduct appropriate Notification data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20		12/31/2018 6/30/2019		See above. myDEQ reduced the time need to process a notifications and award an EPA ID number for 20 minutes to five minutes. However, the increased volume caused overall time from submission to process completion to increase from 5 days to 45 days. During the first half of 2019, the touch time it takes to process a notifications has averaged tens minutes. The overall time has been reduced to 15 days. This reduction is the result of approving the backlog of notifications that were submitted at the end of December.			
	Conduct appropriate SQG FAR data entry, data QA/QC, and data analysis	1/1/20 – 6/30/20		2/5/2019 6/30/2019	Rule revision eliminates FAR starting 2019	ADEQ printed and sent 1,281 registration (SQG FAR) letters on January 11, 2018. Hazardous waste handers returned 1,063 in response. This is a response rate of 83.0%. MyDEQ processed 1,163 registrations (SQG FARs) on-line during 2019. The response rate cannot be calculated at this time as there are many hundreds of EPA ID numbers that were not requested to be deactivated, but are assigned to sites that have not been active for many years. ADEQ is in the process of creating a standard work for when and how to deactivate such EPA ID numbers.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Research and identify handlers that have not submitted Notifications and/or FARS; take appropriate action	7/1/18 - 6/30/20		12/31/2019 6/30/2019		ADEQ staff is still working on contacting the non-respondents. We all calling all handlers with active EPA ID numbers and requesting the sign up with myDEQ. We have programmed into myDEQ that if a handler wishes to register for the current year or deactivate its EPA ID number, it must respond to previous year registration letters. We hope that this will greatly increase the response rate and the deadline for 2019 registrations approaches on March 1, 2019. The only respondents we would not be able to handler though the myDEQ sign-up process will be out of state transporters. During the first half of 2019, staff and myDEQ have processed 569 SQG FARs with a 2018 due date in 2019, and 510 SQG FARS with a 2017 due date.			
	Review and approve FAR Summary Report and HW SQG Report	7/1/18 - 6/30/20		2/5/2019	Rule revision eliminates FAR starting 2019	Completed.			
	Administer the HW Manifest Program								
	Provide customer assistance to generators	7/1/18 - 6/30/20		12/31/2019 6/30/2019		Provided answers to manifest questions from customers over the phone as needed. In addition, assistance was given through email. Most inquiries concerned the e-manifest program and whether generators were still required to submit manifests to the state. An e-manifest resouces page was developed and promoted to the ADEQ website. It included all the fact sheets sent to the states by EPA with customization for Arizona. The page also include links to PowerPoints that explained the program and went step by step through the e-Manifest registration process. The PowerPoints were also presented in workshops and conferences throughout the winter, spring and early summer. During the first half of 2019, ADEQ staff presented information to guide handlers in the use of e-Manifests and myDEQ's hazardous waste on-line portal during a Phoenix Workshop on May 22 and at the Southern Arizona Environmental Managers Conference in Tucson on May 9. In addition, staff answered 27 e-mails from 16 customers concerning e-Manifest.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct appropriate HW Manifest data entry, data QA/QC, and data analysis	7/1/18 - 6/30/20	30 days from receipt			ADEQ received over 25,000 manifests during the 2018 calendar year. Due to the promotion of e-manifests, only manifests with a generator signature date prior to June 30, 2018 were entered into ADEQ's ARID datbase. E-manifests also caused the number of manifests received after June to decrease significantly with the peak month being May with 4,500. At this time, all of these manifests have been entered except for the following; 164 manifests which have a first transporter that is not in ARID; approximately 1,200 which do not have all the require signatures (these would be classified as missing manifests; approximately 2,300 CESQG manifests over the past three years for which the geneator has not been created in ARID; approximately 500 CESQG manifests from 2014 for which the generator is in ARID and can be entered. There are also approximately 600 manifests from 2016 with significant errors on them.			
	Research and identify HW generators that have not submitted manifests; take appropriate action	7/1/18 - 6/30/20				Ongoing through the inspections process. Inspectors run missing manifests reports in preparation for an inspection. During the inspections, the missing manifests are requested and submitted to ADEQ.			
	Review and approve HW Manifest Analysis Report	7/1/18 - 6/30/20				Completed.			
	Facilitate deployment of EPA e-manifest system in Arizona	7/1/18 - 6/30/20				An e-manifest resouces page was developed and promoted to the ADEQ website. It included all the fact sheets sent to the states by EPA with customiztion for Arizona. The page also include links to PowerPoints that explained the program and went step by step through the e-Manifest registration process. The PowerPoints were also presented in workshops and conferences throughout the winter, spring and early summer. A total of six presentations were given to outside customer gatherings.			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through streamlining permitting through use of myDEQ web portal. **SEE OBJECTIVE 3.4.5 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer
1.3.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			
1.3.7 by Value Stream Name	**Outreach**					**0 FTE; $0 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through waste minimization and administration of Arizona's Pollution Prevention (P2) Program, while increasing transparency and public participation. **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES ****							Sarah Samples	Terry Baer

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.1.7 FOR OUTPUT & PERFORMANCE MEASURES ****							Emily Pimentel	Edna Mendoza
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 2.2.7 FOR OUTPUT & PERFORMANCE MEASURES ****							Emily Pimentel	Edna Mendoza
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administering the Surveillance and Enforcement sections of the Arizona-Mexico Border Work Plan. This output is administered through a partnership with the ADEQ Legislative Affairs Value Stream (1S06). **SEE OBJECTIVE 3.1.7 FOR OUTPUT & PERFORMANCE MEASURES ****							Emily Pimentel	Edna Mendoza
1.3.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
1.3	**Objective Total - FYTD**					**2.11 FTE; $302,917 Output Total**			
	PPG Only Total					**2.11 FTE; $302,917 Output Total**			

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EPA STRATEGIC GOAL:	2.	Cooperative Federalism: Rebalance the power between Washington and the states to create tangible environmental results for the American people.
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	2.1	Enhance Shared Accountability: Improve environmental protection through joint governance and compliance assistance among state, tribal, local, and federal partners.

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 7,138 (3.43 FTE) labor hours, at a cost of $427,823, and $46,293 in non-personnel costs and $585,000 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 7,138 (3.43 FTE) labor hours at a cost of $427,823 and $46,293 in non-personnel costs and $585,000 in Aid to Organizations. In addition to $0 PPG State match, , $0 will be contributed from non-PPG State match, $0 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $1,059,116. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2.1.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0.46 FTE; $319,669 Output Total**			
2S03 Air Improvement Planning	**Improve air quality by enhancing shared accountability through partnering with the counties in Arizona to implement a voluntary lawn and garden equipment reduction program.**							Lauren Maghran	Joseph Martini
	Provide EPA a report indicating funding provided to counties for program implementation.	6/30/19 6/30/20		7/26/2019	65%	CY 18 report complete for Maricopa County. Maricopa County started CY19 Program			
2S03 Air Improvement Planning	**Improve air quality through the collaboration and partnering with other state and local agencies to create and implement Urban Forestry/Ozone Sink projects within the ozone non-attainment areas.**							Lauren Maghran	Joe Martini and Heather Colson
	Report the number of sites were projects have occurred and estimated ozone reduction.	6/30/19 6/30/20		7/26/2019		Doing investigative work			
2S03 Air Improvement Planning	**Improve air quality through administering and providing oversight to the Trip Reduction Program (TRP) for Counties within Arizona State.**							Lauren Maghran	Joseph Martini
	Provide EPA a report indicating work performed by each county/planning organization and the financial support received each fiscal year of the program, as applicable.	6/30/2019 6/30/2020		1/15/2019	40%	Program is being funded, report can not be completed until end of FY			
2.1.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
2.1.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
2.1.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
2.1.5 by Value Stream Name	**Data Management and Reporting**					**0 FTE; $0 Output Total**			
2.1.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2.1.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**2.97 FTE; $374,447 Output Total**			
1S06 Legislative Affairs	**Improve air quality, provide for clean and safe water, and revitalize land and prevent contamination by administering the Arizona-Mexico Border Work Plan**							**No PPG FUNDING Review Needed**	Edna Mendoza
	In addition to support received from EPA for activities related to the U.S.-Mexico Border 2020 Environmental Program, ADEQ collaborates with its counterparts in the State of Sonora through the Arizona-Mexico Commission (AMC). The AMC's mission is to improve the economic prosperity and quality of life for all Arizonans through strong, public/private collaborations in advocacy, trade, networking and information. This is accomplished through binational committees, one of which is the Environment and Water Committee.								
	In December 2016, the State of Arizona entered into a memorandum of understanding with the State of Sonora in support of an Arizona-Sonora Environmental Strategic Plan (ASESP). The 2017-2021 ASESP includes priority projects in the areas of air quality, water quality, waste management and wildlife management. The latter as a result of ADEQ's counterpart agency, the State of Sonora Ecology and Sustainable Development Commission's (CEDES) regulatory role and collaboration with the Arizona Game and Fish Department.								
	Program Implementation **EPA and its Mexican counterpart agency, the Secretariat for Environment and Natural Resources (SEMARNAT), in conjunction with the 10 border states and U.S. tribes, work under the U.S.-Mexico Border Environmental Program (Border 2020). This a binational, eight-year program with five goals. Goal 1 has air quality improvement objectives; Goal 2 is associated with water quality improvements; Goal 3 has objectives that pertain to waste management, sustainability, and clean sites; Goal 5 has objectives for compliance, enforcement and environmental stewardship.**								
1S06 Legislative Affairs	**Improve air quality by promoting actions to measure air pollution concentrations, identify significant sources of air pollution, and work with the Mexican governments to reduce emissions around the Arizona-Mexico border. This output is administered through a partnership with the ADEQ Air Quality Value Streams.**							Lauren Maghran	Edna Mendoza
	Border 2020 Program Leadership for the Arizona-Mexico Region on Air Quality issues.								
	In support of this section of the grant, ADEQ will:								
	Continue to co-chair the Arizona-Sonora Border 2020 Air Task Force	Twice per year	2	12/31/2018 3/28/2019	None Meeting	There were no Border 2020 Air Task Force Meetings held between July and December 2018 due to uncertainty in the EPA Region 9 regarding border projects. However, ADEQ staff held conference calls with EPA and State of Sonora Ecology and Sustainable evelopment Commission (CEDES) staff to discuss the State of Sonora's Air Monitoring Network and the proposed expansion of ADEQ's air monitoring efforts in Sonora border cities. Conference calls were held on July 19, October 23 and November 14. The last Border 2020 Air Task Force Meeting was held in Tubac, Arizona on March 28, 2019. That meeting was co-chaired by Gerardo Monroy (ADEQ) and Héctor Lizárraga (CEDES). No date has been set for the next meeting.			
	Participate in biennial sessions of the Borderwide Air Policy Forum and the U.S.-Mexico National Coordinators	Every two years		None	N/A	There were no Air Policy Forum or U.S.-Mexico National Coordinators Meeting held during this reporting cycle due to changes in administrations in Mexico.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018 6/27/2019	 Presentation	Staff facilitated opportunities for the North American Research Partnership (NARP) to update the Arizona-Mexico Commission's Environment & Water Committee on progress with their Border 2020 grant project, "Quantifying Emissions Reduction Benefits from Nogales Unified Cargo Processing". As of the end of December 2018, all field work at the Mariposa Port of Entry in Nogales had been completed, which included conducting interviews of truck drivers. The data was being compiled and analyzed by NARP and a final report is on target for completion by June 2019. Staff facilitated opportunities for the North American Research Partnership (NARP) to update the Arizona-Mexico Commission's Enviroment & Water Committee and the Transportation, Infrastructure & Ports Committee on results obtained from their "Quantifying Emissions Reduction Benefits from Nogales Unified Cargo Processing" Border 2020 grant project. The presentation was well received and the final report has been posted on NARP's website, http://naresearchpartnership.org/nogales-ucp-air-quality-analysis/	1		
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								
	Continue to provide logistical support for the Arizona-Sonora Border 2020 Air Task Force meetings, in collaboration with EPA.	Twice per year		12/31/2018 3/28/2019	 Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. The last Border 2020 Air Task Force Meeting was held in Tubac, Arizona on March 28, 2019. Gerardo Monroy (ADEQ) participated in a couple of planning conference calls with EPA prior to the meeting, developed the meeting agenda and co-chaired the task force meeting.			
	Collaborate with State of Sonora partners as they implement their air quality improvement plans (ProAire Nogales and ProAire Sonora) when actions support air quality improvements in Arizona communities.	Ongoing		Ongoing	Ongoing	Through the Arizona-Sonora Environmental Strategic Plan, ADEQ has been working with CEDES on expanding air quality monitoring in Sonora border communities, in order to improve knowledge of air pollution levels and source apportionment, as they affect Arizona border communities. There were no requests from CEDES for support on improvement actions during the reporting cycle. They did request support on repairing air monitors in two border communities. ADEQ does not use the same type of monitor and is continuing to research options to assist CEDES.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018 3/28/2019	 Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Arizona-Sonora Air Task Force Meeting held in Tubac, AZ, staff assisted the EPA co-chair with drafting of an agenda and developing a meeting summary.			
	ADEQ will support international transport modeling and monitoring for ozone	Ongoing	Delivery of modeling and monitoring results	12/31/2018 6/30/2019	Delivery of modeling and monitoring	ADEQ continues to monitor for ozone in San Luis Rio Colorado, Sonora. Data is loaded onto AIR Now-Tech daily and is accessible to CEDES. During this reporting cycle, ADEQ staff visited the site to conduct equipment maintenance on: July 19, August 16, September 13, October 11, November 8, November 14 and December 11. ADEQ continues to monitor for ozone in San Luis Rio Colorado, Sonora. Data is loaded onto AIR Now-Tech daily and is accessible to CEDES. During this reporting cycle, ADEQ staff visited the site at least once a month to perform equipment maintenance. Additional equipment, including CO and NOy analyzers, will be installed at the site in the fall of 2019, upon signature of a binational site access agreement.			
	As money permits, support maintenance of mobile applications that disseminates ADEQ issued air quality index forecasts for the border communities of:								
	Nogales, Arizona	Ongoing	Support the mobile application	Completed	Cell phone app released June 30, 2016	No additional maintenance/updates were done to this mobile application. It was incorporated into a statewide mobile application, which was released in June 2019. The new Air Arizona app is downloaded for free for Android and iOS phones.			
	Yuma, Arizona	Ongoing	Support the mobile application	Completed	Cell phone app released September 7, 2017	No additional maintenance/updates were done to this mobile application. It was incorporated into a statewide mobile application, which was released in June 2019. The new Air Arizona app is downloaded for free for Android and iOS phones.			
	As money permits, development of:								
	Emissions Inventory for Nogales, Sonora	Ongoing			Previously completed report	LT Consulting Completed and Emissions Inventory of Nogales, Sonora at the end of 2014.	EI_Nogales_4_Dic_2014		
	Air dispersion modeling analysis for Nogales, Sonora that identifies the sources and activities that significantly contribute to the monitored concentrations of PM_{10} and ozone	Ongoing		Ongoing		No activity this reporting cycle.			
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).**							Emily Pimentel	Edna Mendoza

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	In addition to the outputs included in Objective 2.2.7 Increase Transparency and Public Participation, the waste management priority projects in the ASESP are: **• Identification and Cleanup Prioritization of Waste-impacted Sites in Combination with a Solid Waste Management Education Campaign** **• Comprehensive Electronic Waste and Discarded Domestic Appliances Management Program** **• Development of a Comprehensive Master Plan for the Management of Solid Waste, including consideration for:** **o Research of urban solid waste infrastructure lag and landfill locations** **o Provision of municipal solid waste collection, transport, and disposal equipment** **o Establishment of at least one solid waste recycling plant project**								
	While these are mostly focused on State of Sonora needs, improper management of waste streams in the Arizona-Sonora border region impacts Arizona communities through shared water bodies and airsheds. For example, unmanaged waste is transported into Arizona by stormwater, particularly during summer monsoon season. Also, if waste tire piles or open dump sites catch fire, the resulting smoke billows into some Arizona communities.								
	ADEQ's work plan supports the three activities listed below and is oriented towards applicable waste management federal and state laws and regulation in the border region:								
	Participate in Border 2020 Program Activities								
	Surveillance and Enforcement in the Border (activities lead through RCRA Enforcement and Corrective Action sections of work plan) **See Objective 3.1.7 for outputs and performance measures **								
	Support Materials Management and Waste Management (in coordination with and in support of RCRA Waste Minimization and Pollution Prevention Section) **See Objective 2.2.7 for outputs and performance measures **								
	Provide semi-annual performance reports to include updates for the Arizona-Mexico Border portion of the RCRA/C 3011 grant.	Semi-Annual		12/31/18 6/30/2019		Provided in this submittal.			
	Training								
	Although no specific training has been identified at this time, any training that supports this section of the grant and work plan will be listed in performance reports and include dates, locations and number of attendees.	As identified		12/31/18 6/30/2019		None identified this reporting cycle.			
	Changes to Work Plan Activities								
	Due to changes that may occur throughout the grant cycle, ADEQ will identify any activities or accomplishments in support of the the Arizona-Mexico Border section of the grant that had not been included in the work plan.	As identified		12/31/18 6/30/2019		None identified this reporting cycle.			
	Summarize changes in performance reports, noting how the work plan was further supported.								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Arizona-Mexico Border Program Contact								
	ADEQ's director for the Office of Border Environmental Protection will be the primary contact for this portion of the grant. Coordination with program managers with oversight for 1) surveillance and enforcement and 2) support materials management and waste management will be done to indicate activities undertaken in the border region for performance reports.	Semi-Annual				The Office of Border Environmental Protection has been renamed to the Office of Regional and Border Assistance. The point of contact, however, remains the same.			
	Border 2020 Program Coordination and Support								
	Border 2020 Program Leadership for the Arizona-Mexico Region								
	In support of this section of the grant, ADEQ will:								
	Continue to co-chair the Arizona-Sonora Border 2020 Waste and Enforcement Task Force	Twice per year	2	12/31/2018 3/28/2019	 Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. The Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting was held in Tubac, Arizona. Attendees (30) included the State of Sonora co-chair, EPA co-chair and Arizona (ADEQ) co-chair, representatives of local governments, academics, and public participants from both countries.			
	Participate in biennial sessions of the Borderwide Waste Policy Forum and the U.S.-Mexico National Coordinators	Every two years		12/31/2018 6/30/2019	N/A	There were no Air Policy Forum or U.S.-Mexico National Coordinators Meeting held during this reporting cycle due to changes in administrations in Mexico. There were no Waste Policy Forum or U.S.-Mexico National Coordinators meetings held during this reporting cycle.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018 6/30/2019	2 waste related Border 2020 grants awarded in the region by NADB Regulatory guidance	Staff made multiple offers of assistance to the State of Sonora Ecology and Sustainable Development Commission (CEDES) on their "Waste Impacted Sites in Nogales, Sonora in combination with a Solid Waste Management Education Campaign" grant project. Assistance offers included facilitating a conference call with ADEQ colleagues that manage the Citizen Scientist program and demonstrating an ESRI online smartphone app development platform. CEDES was interested in the ESRI demonstration, but no other assistance. Staff provided contact information to internal permitting programs that may be applicable to the University of Arizona's "Harvesting the Waste of Nations: Santa Cruz County Composting Center" grant project. The project manager left the university in December. Consequently, the project has stalled. During this reporting cycle, points of contact for ADEQ's solid waste and stormwater permitting programs were provided to the Border 2020 grantee from the University of Arizona for the "Harvesting the Waste of Nations: Santa Cruz County Composting Center" project. Staff was in contact with the grantee as follow-up on any additional questions.			
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								
	Continue to provide logistical support for the Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings, in collaboration with EPA and co-chairs.	Twice per year		12/31/2018 3/28/2019	 Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Arizona-Sonora Waste and Enforcement Task Force Meeting held in Tubac, AZ, staff assisted the EPA co-chair with drafting of an agenda and developing a meeting summary.			
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018 3/28/2019	 Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Arizona-Sonora Task Force Meeting held in Tubac, Arizona, ADEQ staff coordinated with EPA Border Office in sending out the meeting notices to avoid duplication of efforts.			
	Consultative Mechanism								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	ADEQ will provide an annual update on TSDFs, spent lead-acid batteries and electronic waste recycling facilities in the Arizona border region in support of Consultative Mechanism requirements to exchange information with Mexico on the same.	Annually		12/31/2018	N/A	No Consultative Mechanism update was due this reporting cycle. Mexico provided a response in regard to the consultative mechanism TSDF facilities, and ADEQ staff translated the letter for the ADEQ Waste Programs Division for reference.			
				7/26/2019	Update	EPA requested updated information for the US-Mexico Border 2020 Consultative Mechanism. On July 26, staff submitted the updates to EPA relating to TSD facilities in the Arizona border region.			
	Coordination with State of Sonora and Mexico Officials on Waste Management Issues								
	ADEQ's Office of Border Environmental Protection will facilitate communication with State of Sonora or Mexico federal officials to address issues related to improper waste management that may have an impact on Arizona border communities.	As needed		11/29/2018	One Binational Coordination Meeting, Arizona-Mexico Commission (AMC), Hermosillo, Sonora, Mexico.	The focus of discussion at this meeting was transboundary sewage flows from Naco, Sonora to Naco, Arizona. There were no concerns brought up at this time on improper waste management.			
				4/30/2019	ASESP Status Review	Staff met with counterparts in the State of Sonora Ecology and Sustainable Development Commission (CEDES) and the State of Sonora Water Commission (CEA) to review progress on the 15 priority projects within the Arizona-Sonora Environmental Strategic Plan. There are 3 waste-related projects in this plan. A Border 2020 grant that had been awarded to CEDES for the identification of illegal dump sites in Nogales, Sonora was stalled. In coordination with EPA and the North American Development Bank as follow-up, the funding for that project was reassigned to the municipality of Nogales, Sonora.			
1S06 Legislative Affairs	**Provide for clean and safe water by continuing implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region. Coordinate with EPA on Border 2020, or subsequent U.S. Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program. This output is administered through a partnership with the ADEQ Water Quality Value Streams.**							Roger Kohn	Edna Mendoza & Randy Matas
	Border 2020 Program Leadership for the Arizona-Mexico Region on								
	In support of this section of the grant, ADEQ wil coordinate with EPA and:								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to co-chair the Arizona-Sonora Border 2020 Water Task Force	Twice per year	2	12/31/2018 3/28/2019	N/A Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. Staff co-chaired the Border 2020 Arizona-Sonora Water Task Force Meeting held in Tubac, AZ. There were approximately 40 participants from local government, other state and federal agencies, NGOs, and the general public from both countries.			
	Participate in biennial sessions of the Borderwide Water Policy Forum and the U.S.-Mexico National Coordinators	Every two years		12/31/2018 6/30/2019	 N/A	Related activities will be summarized in semi-annual performance reports and include dates, locations, and highlights of events. No Water Policy Forum or National Coordinators Meeting was held during this reporting cycle.			
	Provide technical support as feasible on projects funded through the program awarded to external organizations	Ongoing		12/31/2018 1/28/19	1 Border 2020 grant project completed by OOMAPAS Final report submitted by grantee; Summary presentation assistance provided	Staff participated in a Border 2020 grant project led by the Nogales, Sonora Water Utility (OOMAPAS) and named "Source Characterization in Nogales, Sonora". It entailed collecting water quality samples from various industrial parks in the city to analyze for copper, chrome, zinc and nickel. The sampling at these industrial parks coincided with quarterly sampling done by the U.S. International Boundary and Water Commission (IBWC) as a permit requirement. Samples IBWC collected were at Manhole 1 on the U.S. side of the border, at the international boundary. This is the point where wastewater from Nogales, Sonora enters the U.S. for treatment at the Nogales International Wastewater Treatment Plant in Rio Rico, AZ. A final report was completed by OOMAPAS in December. The Nogales, Sonora water utility (OOMAPAS), shared a final report of its Source Characterization in Nogales, Sonora Wastewater project in January. Additonal support was provided to OOMAPAS during this reporting cycle on developing a presentation summarizing results of the "Characterization of Contaminant Sources in Wastewater Discharges from Nogales, Sonora". Support was also provided to deliver that presentation at meetings hosted by the International Boundary and Water Commission.			
	Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Provide technical support to stakeholders. (Strategy 3.c.i)	Ongoing		3/6/2019, 6/11/2019	1 presentation Meetings	Staff provided updates on sampling results compiled from the OOMAPAS Border 2020 grant project and IBWC's quarterly sampling at Manhole 1 on October 10, 2018 to the Association of Environmental Professionals of Nogales, Sonora. This group is primarily comprised of environmental, health, and safety managers at maquiladora facilities. Staff participated in Binational Technical Committee meetings hosted by the U.S. and Mexican Sections of the International Boundary and Water Commission and provided input/recommendations on various topics, including, pretreatment efforts and results, development of a binational communication protocol for transboundary sewage flows, and potential funding/collaborative opportunities for additional support of pretreatments efforts.			
	Maintain or revise, if necessary, ADEQ's current Memorandum of Understanding with Nogales, Sonora authorities	Ongoing				Nogales, Sonora officials have not indicated this is necessary.			
	Assist with coordination of training to enhance local pretreatment efforts	Ongoing		12/31/2018 6/3/2019	1 training session in support of Border 2020 grant project Planning Meeting	Training on using monitoring equipment for the waste characterization project was provided by staff to OOMAPAS personnel. Staff participated in an initial planning meeting with City of Phoenix Water Services Dept. and ADEQ's Water Quality Division management regarding a peer-to-peer mentoring pilot project for the Nogales, Sonora water utility. This initiative is through the National Association of Clean Water Agencies. The training elements will be coordinated with the Nogales, Sonora water utility to provide mentoring on the most critical needs they have related to pretreatment.			
	Assist with source characterization of regulated contaminants	Ongoing		12/31/2018 6/30/2019	Technical support	See above and attachments related to the OOMAPAS Border 2020 grant project. Although the projected mentioned above has been finalized, support on characterization efforts continue.			
	Logistical Support for Task Force Meetings								
	ADEQ's Office of Border Environmental Protection will:								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to provide logistical support for the Arizona-Sonora Border 2020 Water Task Force meetings, in collaboration with EPA and co-chairs.	Twice per year		3/28/2019	Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Water Task Force meeting in Tubac, AZ, staff assisted the EPA liaison with drafting of the agenda and developing a meeting summary.			
	Work with EPA on employing Lean practices in the process of sending out notices of task force meetings, since currently both agencies send out notices for the same task force meetings.	Ongoing		12/31/2018 3/28/2019	N/A Meeting	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. For the Border 2020 Arizona-Sonora Water Task Force Meeting held in Tubac, Arizona, ADEQ staff coordinated with the EPA San Diego Border Office to send meeting notices in order to avoid duplication of efforts.			
	Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:								
	Participate in or chair meetings with binational stakeholders regarding issues and remedies to the water quality impairment of shared watersheds along the US/Mexico border including Nogales Wash in Ambos Nogales (Strategy 3.c.i)	Ongoing		12/31/2018 3/6/2019 6/11/19	N/A Meetings	No task force meetings were held between July and December 2018 due to changes in administrations in Mexico. Two Binational Technical Committee meetings were held by the International Boundary and Water Commission, staff participated in both. Topics covered included status of main collector repair work in Naco, Sonora to stop cross-border sewage flows and status of repairs to pumps for the Los Alisos Pump Station in Nogales, Sonora also to mitigate cross-border sewage flows. Other topics included developing a binational communication protocol for these situations.			
	In collaboration with partnering agencies, assist with technical capacity building to enhance local pretreatment efforts. This may include assistance with sampling activities and training.	Ongoing		6/3/2019	5 letters Planning Meeting	See above and attachments related to the OOMAPAS Border 2020 grant project. Additionally, ADEQ, EPA Region 9 and IBWC sent a joint letter addressed to the corporate offices of facilities suspected of contributing metal loadings in the Nogales, Sonora region. Staff participated in an initial planning meeting with City of Phoenix Water Services Dept. and ADEQ's Water Quality Division management regarding a peer-to-peer mentoring pilot project for the Nogales, Sonora water utility. This initiative is through the National Association of Clean Water Agencies. The training elements will be coordinated with the Nogales, Sonora water utility to provide mentoring on the most critical needs they have related to pretreatment.			
	Support water quality improvement actions in binational watersheds:								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Continue to coordinate with internal programs and external partners to address cross-border sanitary sewer overflows, particularly with respect to the Santa Cruz River and San Pedro River, and their tributaries.	Ongoing		12/31/2018 6/30/2019	Ongoing	Throughout the reporting cycle, staff have been coordinating with officials in municipalities of Naco, Sonora; Nogales, Sonora; EPA; NADB; U.S. and Mexico Sections of IBWC; Cochise County; Santa Cruz County; Arizona Department of Emergency and Military Affairs; to mitigate sanitary sewer overflows (SSOs) from Naco, Sonora into Naco, Arizona. As of December 7, 2018, there have been no transboundary SSOs in Naco. On October 4, 2018, staff met with stakeholders including the EPA Region 9 Administrator to discuss the status and gaps on the Naco, Sonora wastewater system and Nogales wastewater issues, including the International Outfall Interceptor (IOI). On December 11, 2018, staff participated in IBWC's Binational Technical Committee meeting which included discussion on developing a binational communication protocol for SSOs in the Arizona-Sonora border region. Additionally, OOMAPAS-Nogales presented on the results of their Border 2020 source characterization project. During this reporting cycle, staff continued project management of its contract with the North American Development Bank (NADB) to implement a scope of work to stop cross-border sewage flows from Naco, Sonora to Naco, Arizona. ADEQ provided limited funding to NADB for this purpose and the efforts were coordinated with the Naco, Sonora water utility, the U.S. and Mexican Sections of the International Boundary and Water Commission, and Mexico's National Water Commission. The outcome of the collaboration is the pipe replacement of 490 meters of the main collector for the Naco, Sonora wastewater collection system. This collector runs parallel to the international border and had been the culprit for SSOs in the area. As of Dec. 7,			
	Assist in TMDL and groundwater quality investigations for sites located in the border region, as assigned. Investigations may include the need to photo-document conditions, collect field notes, conduct wster quality sampling and data management, and/or file preliminary reports on findings. (Strategy 1.c.i; Strategy 1.c.ii)	As needed							
	Assist in the development and oversight of special conditions for permits assigned to operators of facilities in the border region that have a binational component to treat or discharge wastewater.	Ongoing				Staff provided input on an upcoming revision to the permit for the Nogales Wastewater Treatment Plant, which treats wastewater from Nogales, Sonora and Nogales, Arizona. The plant is located in Rio Rico, AZ.			
	Provide bilingual compliance assistance or outreach to customers in the border region.					See previous entries regarding outreach to maquiladora facilities.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Support work in Nogales, Sonora to reduce sanitary sewer overflows into Nogales Wash.	Ongoing		12/31/2018 6/30/2019	Ongoing	This output is administered through a partnership with the ADEQ Emergency Response Unit Value Stream (3S03). ADEQ Director Misael Cabrera has actively sought stakeholder input and garner support for the project to rehabilitate the IOI with cured-in-place pipe. IBWC has $21 million available for the project, requiring a 22% cost match from local stakeholders. Organizations approached for support include: City of Nogales, Arizona; Santa Cruz County; The Greater Nogales/Santa Cruz County Port Authority; Santa Cruz Valley Citizens Council; City of Tucson Ward 5 Council Office; The Walton Foundation and The Nature Conservancy. During this reporting cycle, staff coordinated closely with the Nogales, Sonora water utility (OOMAPAS) to stop cross-border sewage flows due to mechanical failure of pumps at their Los Alisos Pump Station. This was causing an increase in the volume of sewage flows that are typically conveyed to the Nogales International Wastewater Treatment Plant in Nogales, AZ. ADEQ was able to fund the repair of two pumps to assist OOMAPAS in resolving the problem. Both repaired pumps are anticipated to be installed and operational by Sept. 2019. Cross-border SSOs were intermittent throughout the reporting cycle.			
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).**							Emily Pimentel	Edna Mendoza
	In addition to support received from EPA for activities related to the U.S.-Mexico Border 2020 Environmental Program, ADEQ collaborates with its counterparts in the State of Sonora through the Arizona-Mexico Commission (AMC). The AMC's mission is to improve the economic prosperity and quality of life for all Arizonans through strong, public/private collaborations in advocacy, trade, networking and information. This is accomplished through binational committees, one of which is the Environment and Water Committee.								
	In December 2016, the State of Arizona entered into a memorandum of understanding with the State of Sonora in support of an Arizona-Sonora Environmental Strategic Plan (ASESP). The 2017-2021 ASESP includes priority projects in the areas of air quality, water quality,waste management and wildlife management. The latter as a result of ADEQ's countepart agency, the State of Sonora Ecology and Sustainable Development Commission's (CEDES) regulatory role and collaboration with the Arizona Game and Fish Department.								
	In addition to the waste management priority projects included in Objective 2.1.7 Enhance Shared Accountability, ADEQ will collaborate and engage with impacted stakeholders and the public, where appropriate, to:								
	Support Materials Management and Waste Management								
	Pollution Prevention, Waste Management and Sustainable Materials Management Strategies								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	ADEQ will promote and integrate pollution prevention, waste management, and sustainable materials management strategies referenced in http://www.epa.gov/smm into its border program to prevent and mitigate trans-boundary waste and illegal dumping, in collaboration wtih local stakeholders and partners.	Ongoing		10/9/2018 6/30/2019	1 Coordination Meeting, ADEQ/Santa Cruz County. N/A	The Santa Cruz County Public Works Department director and staff contacted ADEQ (Solid Waste and the Water Quality Division) to discuss a proposal to intercept trash in the Nogales Wash/Santa Cruz River. The project would capture solid waste in a net along the Nogales Wash at a stage before it reaches the Santa Cruz River. The project was at a very early investigative stage, and the scope of the project and funding were not identified. No activity this reporting cycle.			
	Arizona Border Trash Website and Stakeholder Collaboration								
	ADEQ will continue to leverage mitigation of trash accumulation in the Arizona border region from migration by continuing to coordinate with public and private stakeholders including U.S. and Mexican environmental agencies, among them the U.S. Bureau of Land Management and U.S. Customs and Border Protection.	Ongoing		12/31/2018 6/30/2019	167 field forms 21 field forms	The field forms for border trash cleanups were submitted by stakeholders, reviewed for quality assurance by ADEQ website administrators and posted on the public Arizona Border Trash website. Database and related statistics were updated on the website as well. Additionally, staff continued collaboration with relevant stakeholders through participation in the Tucson Borderlands Management Task Force. The website address is www.azbordertrash.gov.			
	ADEQ will provide at least two training sessions to Borderlands Management Task Force members on the use of the website during this work plan period.	Once per year		12/21/2018 6/30/2019	 Meeting Sharing of training materials	Initial discussion about conducting a Toxic Release Inventory training in an Arizona border community was held between EPA Region 9 and ADEQ. Progress on planning the event was delayed due to the government shutdown. In support of this activity, staff delivered to BMTF coordinators training materials parterning agencies had previously developed: "Borderland Field Work", and "Working Along the US-MEX Border". The BMTF had run out of these training materials and ADEQ had extra copies on hand.			
2.1.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $365,000 Output Total**			
2S01 Monitoring & Assessment	**Improve air quality by passing grant money to the Intermountain Region - Grand Canyon National Park Service to improve public awareness, outreach, and education via a self-contained Village Green park bench pollutant monitoring station (ozone, fine particulates, black carbon, nitrogen dioxide, volatile organic compounds, and meteorology). The Intermountain Region – Grand Canyon National Park Service will purchase, install and maintain a Village Green air monitoring station park bench that will provide a powerful tool that passively provides Grand Canyon visitors with live air quality data for pollutants that can impact the quality of their views and pose health concerns. The data gathered by the Village Green Bench will be live streamed to the EPA Village Green website and stored in a national database, where it can be utilized by land managers and public health officials to help them better understand and assess the impacts of events like wildfires on ozone and particulate concentrations at the location of the bench at the Grand Canyon.**						Grand Canyon National Park Service Work Plan	Lauren Maghran	Brad Busby

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Transfer pass-through funding to Intermountain Region - Grand Canyon National Park Service to accomplish the following outputs:	Within 30 days of receiving an invoice from Grand Canyon NPS	100% of funding transferred	8/20/2018 1/31/2019 7/26/2019	$140,000 Funding passed to NPS	Agreement finalized and $140,000 Funding passed to NPS for use on Village Green Bench in mid-August 2018. January 2019 Update: Task Submitted. Additional comments can be found in attachment. July 2019 Update: The contractor has consulted with the park on the design and begun building the bench. Bench will be built in Fort Collins and then transferred to the park. NPS continues to evaluate proposed sites. The contractor has installed a temporary ozone monitor and a small pm2.5 monitor near the visitor's center that will operate for a short time. Hoping to install bench by mid-September. Additional comments can be found in attachment.	2.1.8.1 NPS Project Updates		
	Contract the construction of the self-contained station, including, as needed:	8/31/2018			See Notes	Due to significant challenges in getting the proper agreement in place with the Intermountain Region and Grand Canyon National Park, the agreement was not in place until Aug. 2018, with funding not available to them until after Oct. 2018. This, as well as the federal govt. shutdown, pushed their entire timeline back by more than 6 months.			
	Determine a staging area, if construction occurs on site.	8/31/2018			See Notes				
	Lay a level concrete pad under the station in order to support the bolts that will secure the bench.	8/1/2018 to 11/30/2018			See Notes				
	Prune and/or remove trees (if needed), so as not to affect the instruments and data collection.	8/1/2018 to 11/30/2018			See Notes				
	Develop a Quality Assurance Project Plan (QAPP) in order to give guidance to quality and purposeful data collection.	8/31/2018			See Notes				
	Provide operational support to the station including any troubleshooting, maintenance, or repair that may be required. The station will remain operational for a minimum of one year.	11/1/2018 to 12/31/2019			See Notes				
	Commence Phase 1 of educational outreach activities by Region 6 staff using Village Green station data; ongoing analysis of Village Green and AirMapper data.	11/1/2018 to 1/31/2019			See Notes				
	Provide ongoing analysis of data; revision to educational outreach activities based on participant feedback.	12/1/2018 to 2/28/2019			See Notes				
	Develop project summary and present project results by Region 6 staff.	3/31/2019			See Notes				
2S01 Monitoring & Assessment	**Improve air quality by passing grant money to the Pinal County Air Quality Control District to assist in on-going program obligations. These obligations include operation of an ambient monitoring program, a compliance and inspection program, tracking of specific rules required under the West Pinal PM_{10} SIP, air quality reporting and forecasting, and general administrative overhead associated with the department.**						Pinal County AQC District Budget	Lauren Maghran	Brad Busby

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Transfer pass-through funding to Pinal County to accomplish the following outputs:	Within 30 days of receiving an invoice from Pinal County	2 transfers completed	2/7/2019	FY 2019 Transfer completed.	Updated agreement with Pinal County for the pass through of funding from both PPG and PM2.5 Grants. Pass through of funds to Pinal County to occur in February 2019. Updates to the information below will occur following February transfer of funds to Pinal County.	Pinal County AQC District Pass-Through Grant Work Plan		
	Obtain and operate the following monitoring related equipment and software:		90% data recovery /100% recovered data QA/QC'd		Completed	All equipment has been procured through the 2018-2019 grant cycle. Equipment replaced to date is 10 TEOM 1405, 3 T700 ozone analyzers, 1 T703 ozone transfer standard, 1 zero air generator, new modems for all sites, 4 sonic MET systems and new data loggers at all sites. 3 TEOM shelters have also been procured but have not put into the field yet.	PCAQCD EPA 105 Grant Report FY18-19		
	PM_{10} monitors (x8)	6/30/2020	8						
	Ozone monitors (x2)	6/30/2020	2						
	Monitoring site improvements (x8)	6/30/2020	8			PCAQCD continues to update the PM10 and ozone monitoring network			
	$PM_{10}/PM_{2.5}$ verification equipment (x3)	6/30/2020	3						
	Meteorological monitors (x3)	6/30/2020	3			PCAQCD supports the University of Arizona WRF meteorological model. $10,000 grant was allocated in September 2018 to the University of Arizona WRF modeling program. The WRF modeling is used for air quality/dust risk forecasts which are issued Monday-Friday and as needed.			
	Camera (x1)	6/30/2020	1						
	Web data (x1)	6/30/2020	1						
	Fund one full time inspector position for the purposes of ensuring compliance with dust requirements.	7/1/18 to 6/30/20	Report number of dust inspections performed						
	PCAQCD Receives dust complaints from the public and responds to them within 3 working days			Through 6/30/19	91 Dust Complaints				
	PCAQCD proactively addresses observed dust issues and reports those as Field Activity Reports (FARs)			Through 6/30/19	110 Dust related FAR's logged				
	PCAQCD issues earthmoving permits for projects that disturb >0.1 acres			Through 6/30/19	632 dust permits issued				
	PCAQCD issued industrial operating permits for sources with 1 tpy or greater			Through 6/30/19	94 industrial operating permits issued or renewed				

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Fund training for the following activities:		Report number of training activities completed			As of 6/30/19 5 staff members attending training events for a total $6,748.59 spent. Training Activities: Introduction to Environmental Regulations, EPAS Environmental Conference, Lakes Environmental AERMOD, Westar Permit Practices & Procedures, and American Meteorological Society Conference, Clean Air Act Environmental Complaince Inspections			
	Emissions Inventory development (x2)	6/30/2020	2	Through 6/30/19		As of 6/30/19 staff member is following along with the Maricopa County Air Quality/Unicon Development/ implementation of the IMPACT system (includes emissions inventory database, online EI submittal portal for permitted sources). Implementation for Maricopa County IMPACT system is September 2019. See Database Enhancements section below for possible use of Grant funds.			
	Compliance and permitting (x4)	6/30/2020	4						
	Modeling (x4)	6/30/2020	4						
	Air Monitoring (x2)	6/30/2020	2						
	PCAQCD uses a number of databases to store AQ information. Perform database enhancements for the following activities:		Report number of database enhancements completed			During this grant cycle PCAQCD participated in an evaluation of an EI software platform (IMPACT) that has the capability of expansion that can include compliance, permitting and enforcement tracking. Grant funds may be used to develop this platform during the 4th quarter of 2019			
	Rule effectiveness tracking	6/30/2020							
	Air Quality Index forecasting enhancement	6/30/2020							
4S04 Safe Drinking Water	**Provide for clean and safe water by providing water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements.**							**No PPG FUNDING Review Needed**	Jennifer Peterson
	Provide engineering consultation to WIFA project managers during loan application process:								
	Review WIFA project manager's due diligence report for evaluation of project purpose, scope and cost.	2-5 projects every other month				As requested by WIFA			
	Accompany WIFA project managers on loan application visits when needed to assist with evaluation of technical aspects of project.	3 projects every other month				As requested by WIFA			
	Assist with WIFA review of applicant's Cost and Effectiveness Analyses and Fiscal Sustainability Plans.	2-4 wastewater projects				As requested by WIFA			
	Accompany WIFA project managers on construction observations when needed to assist with review of American Iron and Steel compliance.	6 visist per year				As requested by WIFA			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Answer questions/provide engineering consultation to WIFA project managers as technical questions arise.	6/30/2019							
2.1	**Objective Total - FYTD**					**3.43 FTE; $1,059,116 Output Total**			
					PPG Only Total	**3.43 FTE; $1,059,116 Output Total**			

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EPA STRATEGIC GOAL:	**2.**	**Cooperative Federalism: Rebalance the power between Washington and the states to create tangible environmental results for the American people.**
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	**2.2**	**Increase Transparency and Public Participation: Listen to and collaborate with impacted stakeholders and provide effective platforms for public participation and meaningful engagement.**

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 4,435 (2.13 FTE) labor hours, at a cost of $299,375, and $5,487 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 1,134 (0.55 FTE) labor hours at a cost of $72,145 and $377 in non-personnel costs and $0 in Aid to Organizations. In addition to $74,780 PPG State match, , $0 will be contributed from non-PPG State match, $157,560 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $304,861. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2.2.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0.67 FTE; $81,377 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by continuing to pursue primacy over all classes of wells in the Underground Injection Control program.**							**No PPG FUNDING Review**	David Dunaway
	Report status and obstacles.	Semi-Annual	Status update report.	1/1/2019 8/28/2019		Arizona has begun drafting rules that are substantially similar to EPA UIC rules. Target is to be complete with draft rules by the end of fiscal year. Draft rules provided to EPA on 8/12/2019.			
4S05 Water Reuse	**Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water and by administering the Water Re-Use Program.**							?	David Dunaway
	Report number of listening sessions and outreach events regarding recycled water use and future rulemaking.	Semi-Annual	Report (5)	1/1/2019 6/30/2019	6 2	3 presentations delivered to association of county government groups and recycled water community. 3 workgroup meetings for the on-site wastewater treatment water recycling program held. Additional presentations delivered to Maricopa County Bar Association and wastewater treatment plant operators.			
2.2.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
2.2.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
2.2.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
2.2.5 by Value Stream Name	**Data Management and Reporting**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2.2.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			
2.2.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**1.46 FTE; $223,484 Output Total**			
1S05 Continuous Improvement & Business Intelligence	**Improve air quality, provide for clean and safe water, and revitalize land and prevent contamination by continuing to develop and maintain the My Community data hub that was launched in May 2018 to provide a one-stop internet site for the public to view the problems ADEQ is facing at any given time. This community resource was developed to increase transparency and public participation, along with providing a platform for meaningful engagement.**							**No PPG FUNDING Review Needed**	AIR: Daniel Czecholinski WATER: Randy Matas LAND: Ana Vargas
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administration of the Arizona-Mexico Border Work Plan: Program Implementation and Strategy. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).**							Emily Pimentel	Edna Mendoza
	In addition to support received from EPA for activities related to the U.S.-Mexico Border 2020 Environmental Program, ADEQ collaborates with its counterparts in the State of Sonora through the Arizona-Mexico Commission (AMC). The AMC's mission is to improve the economic prosperity and quality of life for all Arizonans through strong, public/private collaborations in advocacy, trade, networking and information. This is accomplished through binational committees, one of which is the Environment and Water Committee.								
	In December 2016, the State of Arizona entered into a memorandum of understanding with the State of Sonora in support of an Arizona-Sonora Environmental Strategic Plan (ASESP). The 2017-2021 ASESP includes priority projects in the areas of air quality, water quality,waste management and wildlife management. The latter as a result of ADEQ's countepart agency, the State of Sonora Ecology and Sustainable Development Commission's (CEDES) regulatory role and collaboration with the Arizona Game and Fish Department.								
	In addition to the waste management priority projects included in Objective 2.1.7 Enhance Shared Accountability, ADEQ will collaborate and engage with impacted stakeholders and the public, where appropriate, to:								
	Support Materials Management and Waste Management								
	Pollution Prevention, Waste Management and Sustainable Materials Management Strategies								
	ADEQ will promote and integrate pollution prevention, waste management, and sustainable materials management strategies referenced in http://www.epa.gov/smm into its border program to prevent and mitigate trans-boundary waste and illegal dumping, in collaboration wtih local stakeholders and partners.	Ongoing		10/9/2018	1 Coordination Meeting, ADEQ/Santa Cruz County.	The Santa Cruz County Public Works Department director and staff contacted ADEQ (Solid Waste and the Water Quality Division) to discuss a proposal to intercept trash in the Nogales Wash/Santa Cruz River. The project would capture solid waste in a net along the Nogales Wash at a stage before it reaches the Santa Cruz River. The project was at a very early investigative stage, and the scope of the project and funding were not identified.			
	Arizona Border Trash Website and Stakeholder Collaboration								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	ADEQ will continue to leverage mitigation of trash accumulation in the Arizona border region from migration by continuing to coordinate with public and private stakeholders including U.S. and Mexican environmental agencies, among them the U.S. Bureau of Land Management and U.S. Customs and Border Protection.	Ongoing		12/31/2018 6/30/2019	167 field forms 21 field forms	The field forms for border trash cleanups were submitted by stakeholders, reviewed for quality assurance by ADEQ website administrators and posted on the public Arizona Border Trash website. Database and related statistics were updated on the website as well. Additionally, staff continued collaboration with relevant stakeholders through participation in the Tucson Borderlands Management Task Force. The website address is www.azbordertrash.gov.			
	ADEQ will provide at least two training sessions to Borderlands Management Task Force members on the use of the website during this work plan period.	Once per year		12/21/2018 6/30/2019	 Meeting Sharing of training materials	Initial discussion about conducting a Toxic Release Inventory training in an Arizona border community was held between EPA Region 9 and ADEQ. Progress on planning the event was delayed due to the government shutdown. In support of this activity, staff delivered to BMTF coordinators training materials parterning agencies had previously developed: "Borderland Field Work", and "Working Along the US-MEX Border". The BMTF had run out of these training materials and ADEQ had extra copies on hand.			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through waste minimization and administration of Arizona's Pollution Prevention (P2) Program, while increasing transparency and public participation.**							Sarah Samples	Terry Baer
	ADEQ's P2 Program targets Arizona manufacturing facilities that meet the program thresholds related to hazardous waste generation or toxic substance use, and which are set forth in the Arizona statute, by requiring preparation and implementation of a P2 plan, plan amendments and annual progress reports targeting source reduction. ADEQ's P2 staff provide technical assistance to facilities to encourage the reduction or elimination of the amount and toxicity of hazardous waste generated, toxic substances used, and toxic substance releases. They also focus on reduction of solid wastes send to landfills and and reduction energy and water usage. ADEQ's P2 team also conducts presentations and hosts webinars to assist facilities in completing plans, amendments and progress reports as well as providing examples of successful P2 goals.								
	Collect, manage, and synthesize the analysis of plans and annual reports from the approximately 350 large hazardous waste generators, TRI filers and TRI toxic substance users and measure the reductions achieved.	9/30/2018 9/30/2019	Review of plans and reports	9/30/2018 6/30/2019	230 progress reports reviewed and 76 amendments reviewed Will submit next progress report	306 amendments and reports reviewed for 230 P2 Plans that include 383 facilities. # of Reports reviewed will be submitted next progress report as the due date for reports is July 1 annually so the data is still being analyzed and will be reported on the spring 2020 report out.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Information and results from P2 Program facilities will be managed in a database, aggregated, and reported in the semi-annual progress reports. The following P2 program outcomes will be included at a minimum: - Reductions in hazardous releases and hazardous inputs - Reduction in greenhouse gas releases (metric tons of carbon dioxide equivalent [MTCO2e]) - Reduced water consumption (gallons) - Cost savings associated with reducitng hazardous pounds, MTCO2e, and water consumption	3/30/19 9/30/19 3/30/20 9/30/20	Data table updated with each progress report	2/15/2019 6/30/2019	See attachment	Attachment 2.2.7.1 presents P2 program data. Note that reductions are collected in July 1 of each year (when annual progress reports are collected) for the previous calendar year. The reductions are finalized by January of the following year. For example, reduction data collected in July 2018 will be for the 2017 calendar year. The reviews and data will be finalized by January 2019. This data will only be available for progress reports turned in the beginning half of the year. No reductions to report until next progress report. Note that reductions are collected in July 1 of each year (when annual progress reports are collected) for the previous calendar year. The reductions are finalized by January of the following year. For example, reduction data collected in July 2019 will be for the 2018 calendar year. The reviews and data will be finalized by January 2020. This data will only be available for progress reports turned in during beginning half of the year for data over July 1 - Dec 31.	2.2.7.1 Pollution Prevention Program Data		
	Pollution Prevention Outreach - Use outreach events, webinars, presentations, and conferences to continue to expand the P2 Program - Evaluate existing P2 data in order to determine the best ways to move the program forward - Update P2 informational materials that are on the ADEQ web site - Maintain and utilize the P2 email list to notify stakeholders of upcoming webinars, conferences, and other P2 related activities - Continue to promote EPA's programs such as Safer Choice, Water Sense and Energy Star along with other relevant programs to encourage P2 in manufacturing and other non-manufacturing sectors like schools and universities	3/30/19 9/30/19 3/30/20 9/30/20	Data table updated with each progress report	2/15/2019 6/30/2019	Data Table updated Data Table updated	-Six events over the 6 months with approximately 277 attendees. -P2 Week Impressions on Twitter/Webpage - 10334/146 -Five Site Visits/Technical Assistance Visits -Ten events over the 6 months with approximately 287 attendees. -Two Site Visits/Technical Assistance Visits and six inspections as a secondary P2 Technical Contact			
	The Rural Environmental Action (REAP) Planning program is an in-depth workshop on topics that communities and other local stakeholders identify in advance relating to solid waste diversion. ADEQ works closely with the group on identifying stakeholders. ADEQ's goal is to help those involved identify specific challenges and discuss real strategies for addressing them. After the session, ADEQ produces a recap and a next steps action plan.	3/30/19 9/30/19 3/30/20 9/30/20	Recap and next steps action plan updates provided with progress reports	8/9/2018, 8/10/18, 10/25/18, 12/5/18, 12/11/18, 12/12/18 3/16/19, 6/19/19	Rural Policy Forum presentation & case studies on AZ recycling & sustainability successes Navajo Nation presentations on sustainable materials management; case study videos	The REAP program was presented to several rural communities at the Rural Policy Forum on 8/9/18 & 8/10/18; REAP program also traveled to Somerton to highlight their recycling program where data was gathered on the program 10/25/18 and a video was done on 12/5/18 for the final case study; we also traveled to Tucson to highlight the sustainability efforts of Hotel Congress and Manzo Elementary School on 12/11/18 & 12/12/18 and videos are to follow in 2019. The REAP program presented to 18 Navajo Nation chapters on March 16 regarding sustainable materials management. The Program returned to the Navajo Nation upon request to talk with interested chapters on moving forward with sustainable materials management on June 19. Videos for case studes on Hotel Congress and Manzo Elementary School are scheduled for August 14.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Enter state solid waste and recycling date into EPA's State Data Measurement Sharing program annually. Include data with semi-annual progress reports.	6/30/19 6/30/20	Data entry into State Data Measurement Sharing Program and include with progress reports	10/5/2018	Completed inputting Arizona state data on solid waste and recycling	Data was collected and is waiting to be inputted into EPA's State Data Measurement Sharing program.			
	Serve on the Western Sustainability and Pollution Prevention Network (WSPPN) Steering Committee and participate in the Network's conferences as travel budget allows. Use the resources provided by WSPPN, such as expert knowledge assistance, case studies and any other material that can be used by the P2 program facilities to continue reducing pollution.	As scheduled	Meeting or conference call participation	9/20/2018		WSPPN has projected that they have until June 2019 or September 2019 until they will shut down. ADEQ is involved in meetings on how best to preserve the data and knowledge provided through WSPPN.			
4S05 Water Reuse	**Provide for clean and safe water by maintaining transparency and public participation in rulemaking regarding recycled water.**							**No PPG FUNDING Review Needed**	David Dunaway
	Report number of listening sessions and outreach events regarding recycled water use and future rulemaking.	Semi-Annual	Report (5)	1/1/2019 6/30/2019	6 2	3 presentations delivered to association of county government groups and recycled water community. 3 workgroup meetings for the on-site wastewater treatment water recycling program held. Additional presentations delivered to Maricopa County Bar Association and wastewater treatment plant operators.			
2.2.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
2.2	**Objective Total - FYTD**					**2.13 FTE; $304,861 Output Total**			
					PPG Only Total	**0.55 FTE; $72,522 Output Total**			

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EPA STRATEGIC GOAL:	**3.**	**Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.**
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	**3.1**	**Compliance with the Law: Enforce environmental laws to correct noncompliance and promote cleanup of contaminated sites.**

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 78,958 (37.96 FTE) labor hours, at a cost of $4,380,296, and $23,903,443 in non-personnel costs and $47,000 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 17,426 (8.38 FTE) labor hours at a cost of $966,742 and $400,727 in non-personnel costs and $47,000 in Aid to Organizations. In addition to $5,470,715 PPG State match, , $0 will be contributed from non-PPG State match, $20,118,961 from additional State funding sources, $1,326,594 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $28,330,739. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.1.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0 FTE; $0 Output Total**			
3.1.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
3.1.3 by Value Stream Name	**Compliance and Enforcement**					**37.5 FTE; $28,277,423 Output Total**			
2S02 Facilities Emissions Control	**Improve air quality by maintaining the effective means to achieve compliance with provisions of the Federal Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulations for jurisdictional counties. This program requires field inspections, public outreach, and enforcement activities to ensure compliance with the thorough survey, requirements, notification, emissions controls, waste disposal and management statutes and regulations. Asbestos NESHAP sources are defined to include any applicable ongoing demolition or renovation activity at a defined facility.**							Lauren Maghran	Balaji Vaidyanathan
	Perform a minimum of six containment inspections of contaminated areas each year.	6/30/2019 6/30/2020	6 6	12/31/2018 6/30/2019	9 13	22 cumulative total asbestos containment inspections for FY 2019-2020			
	Perform a minimum of two asbestos landfill inspections each year.	6/30/2019 6/30/2020	2 2	12/31/2018 2/14/2019 6/30/2019	2				
	Perform a minimum of four asbestos outreach and training seminars each year.	6/30/2019 6/30/2020	4 4	12/31/2018 2/14/2019 6/30/2019	 7 7	6/30/19: OUTREACH Maricopa County: Phoenix (3) Coconino County: Flagstaff (1) Yuma County: Yuma (1) Graham County: Safford (1) Yavapai County: Prescott (1) TRAINING TOTAL(7)			
	Respond to all asbestos complaints within 5 business days.	Ongoing	100% response within 5 business days.	12/31/2019	100%				
2S02 Facilities Emissions Control	**Improve air quality through the chemical application projects to address dust mitigation across the State of Arizona.**							Lauren Maghran	Balaji Vaidyanathan
	Report the number of sites receiving chemical application each year.	6/30/2019 6/30/2020		2/15/2019	10%	Currently working on a project plan for stabilizing at least one area of interest in FY 19.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
2S02 Facilities Emissions Control	**Improve air quality through the maintenance of the Agricultural Best Management Practices (AgBMP) program, to reduce the amount of particulate matter (PM_{10}) emissions in the PM_{10} from agricultural sources in the nonattainment areas of Maricopa, Pinal, and Yuma Counties. This program comprises field inspections, public outreach, and enforcement activities to ensure compliance with the Ag MBP PM_{10} general permit record requirements. Ag BMP PM_{10} general permit records are required for commercial sources including crop operations, dairy operations, beef cattle feedlots, poultry facilities, and swine facilities.**							Lauren Maghran	Balaji Vaidyanathan
	Respond to all agriculture related dust complaints within 5 business days.	Ongoing	100% response within 5 business days.	12/31/2019	100%	From 7/1/18 to 12/31/18 ADEQ responded to 16 ag dust complaints, 11 ag odor complaints, and 1 ag burning complaint.			
	Perform a minimum of ten inspections of crop operations each year.	6/30/2019 6/30/2020	10 10	6/30/2018 2/14/2019	24				
	Perform a minimum of ten inspections of commercial animal operations each year.	6/30/2019 6/30/2020	10 10	6/30/2018 2/14/2019	20				
	Perform a minimum of four agricultural Best Management Practices outreach and training events each year.	6/30/2019 6/30/2020	4 4	6/30/2018 2/14/2019	6	Maricopa County: Phoenix (3) Yuma County: Yuma (2) Pinal County: Florence (1)			
2S05/06 Vehicle Emissions Control	**Improve air quality through administering the Vehicle Emissions Control Program, which ensures that all registered Arizona vehicles comply with air quality standards through testing.**							Lauren Maghran	Steve Calderon
	Measure the Compliance Rate for Vehicles, which is used to gauge how many cars are passing emissions on a monthly basis and whether countermeasures are needed to return to compliance.	Monthly Review	Number and percentage of cars passing emissions.	Ongoing	On Target	Fy 19 Compliance Rate; July 95.78%, August 95.67%, September 95.54%, October 95.35%, November 95.48%, December 95.5%, January 95.83%, February 95.29%, March 95.79%, April 95.77%, May 96.01%, and June 96.16%. (Goal is 95.4%)			
	Review the number and percentage of cars passing emissions. Determine if countermeasures are needed when the percentage does not meet the current goal of 95.1%	Monthly	12 reviews per year	Ongoing	On Target	This number will trend up to 96.0% by the end of Fiscal Year (FY) 22. Countermeasures implemented include; moving signage and verbally notifying motorist that a "Check Engine" light illuminated results in failure. June 2019 percentage was 96.1%.			
	Through contact oversight, ensure all contracted emission test stations comply with state and federal compliance standards.	Daily Weekly Annual	6,315 field and 444 contract oversight audits per year.	7/1/2018 through 6/30/2019	4,237 field and 512 contract oversight audits per year.	On target.			
	Manage and inspect a permitted fleet program allowing used car dealerships and fleets of 25 or more vehicles to perform emission testing.	Annual	3,189 audits per year	7/1/2018 through 6/30/2019	2,931 audits per year	On target.			
	Oversees a contractor in performing remote sensing which is used to verify emission testing on vehicles in Maricopa County.	Annual	Target = 15,000 vehicles tested	6/30/2019	22,308 Vehicles	This is the number of vehicles in 2018. Vehicle Emissions Control (VEC) anticipates more than 15,000 usable vehicle tests in 2019 (On Target).			
	Submit each study's results to EPA after a minimum of 15,000 vehicles have been tested with remote sensing.	Annual	Target = 15,000 vehicles tested	7/1/2019	On Target	The Remote sensing report was completed in early March 2019. The Study was submitted to EPA by July 12, 2019.			
	Administer the Voluntary Vehicle Repair Program (VVRP), which is a statutorily required County program managed by ADEQ that monetarily compensates motorists which have failed the emissions test with repair costs.	Annual	Target = 1,500 cars repaired annually	6/30/2019	1,624 vehicles repaired and passed.	The FY19 goal was 1,500 vehicles repaired and passed through the VVRP. In June 2019, 1,624 vehicles were repaired and passed emissions.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3S02 Hazardous Waste	**Revitalize land and prevent contamination through effective hazardous waste compliance monitoring and enforcement. Compliance with the law through an effective hazardous waste compliance monitoring and enforcement program.**							Sarah Samples	Terry Baer
	Management of compliance and inspection activities								
	Pima County DEQ delegation oversight/audit	Ongoing	As Needed	12/31/2018 6/30/2019	Ongoing	ADEQ continues to work with PDEQ to provide oversight and assistance. PDEQ has provided the required quarterly reports and other data to ADEQ per the delegation agreement. ADEQ responds to regulatory guidance requests from PDEQ via email and over the phone.			
	Conduct training and/or oversight inspections in order to monitor PDEQ's delegation for hazardous waste inspections.	12/31/18 12/31/19	Annual audit	12/31/2018 6/30/2019	Ongoing	ADEQ continues to provide PDEQ with training opportunities on ADEQ/EPA led inspections in Pima County & other counties. ADEQ continues to send new documents and boilerplates to PDEQ as they are developed as part of ADEQ's process improvement activities. ADEQ observed PDEQ inspections and provided feedback, and had PDEQ observe ADEQ inspections in Tucson, in May 2019.			
	Compliance - Formal Enforcement Action								
	Compliance/Consent Order Enforcement actions per ADEQ's policies	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Number of orders finalized	12/31/2018 6/30/2019		No new orders issued for report out period. New Compliance Order issued in May 2019.			
	Civil Referrals	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Number of referrals	12/31/2018 6/30/2019		No new orders issued for report out period. No new orders issued for report out period.			
	ADEQ PNC definition and other ADEQ policies will be used to consistently identify SNCs.	Ongoing	Per ADEQ policies	Ongoing	Ongoing				
	Formal enforcement follow-up	Ongoing	As Needed	12/31/2018	Ongoing	ADEQ has held meetings with the facilities undergoing formal enforcement this reporting period. See attached spreadsheet entitled Enforcement Actions.	3.1.3.1		
	Inspections - TSD Facility Inspections: Conduct RCRA TSD facility inspections including necessary preparation work and follow-up inspection activities, including inspection reports and notices of violation.								
	Prepare a list of TSD facilities to be inspected during the year by quarter, update RCRAInfo database, and prepare report.	1/31/2019 1/31/2020	Inspection List	12/31/2018 6/30/2019	1	See attached spreadsheet entitled TSDF Insp & Universe. Also, please see new FY20 LQG Universe on attached spreadsheet.	3.1.3.1		

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct TSD Compliance Evaluation Inspections (CEI). To be equally apportioned throughout the year to the extent possible. Inspection report to be completed within 30 working days.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection List	12/31/2018 6/30/2019	2 6	See attached spreadsheet entitled TSDF Insp & Universe. Output reflects inspections completed through 12/31/2018. Output reflects additional inspections completed through 6/30/2019.	3.1.3.1		
	Inspections - Large Quantity Generator Inspections: Conduct CEIs at the large quantity generators: complete reports. Sampling and enforcement investigations may take longer. To be equally apportioned throughout the year to the extent possible.								
	Prepare a list of LQG facilities to be inspected each year, by quarter.	1/31/2019 1/31/2020	Inspection List	12/31/2018	1	See attached spreadsheet entitled LQG FY19 Universe.			
	ADEQ will conduct the above at the rate of 20% per year of this grant cycle based upon current BRS (or ADEQ Facility Annual Reports in non BRS years) reporting numbers. Inspections will target facilities never inspected and non-notifiers as well as high risk facilities or facilities with poor compliance history. Inspection report to be completed within 30 days.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection Completed List	12/31/2018 6/30/2019	12 46	The list of facilities to be inspected is comprised of facilities that have never been inspected or have not been inspected in the last 24 months. In addition, we maintain a rolling log of high risk facilities that are inspected every year or at a higher frequency. For a complete list of facilities see attached spreadsheet LQG Inspections & PDEQ-LQG Inspections. Output reflects additional inspections completed through 6/30/2019.			
	ADEQ will conduct SQG/CESQG inspections at a rate of at least the LQG rate described above. SQG/CESQG inspections will target high risk facilities or facilities with poor compliance history and will be conducted in accordance to the approved LQG Flexibility Project plan.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	Inspection Completed List	12/31/2018 6/30/2019	15 59	For a complete list of facilities, see attached spreadsheets SQG-VSQG-Complaint Inspections & PDEQ-SQG-VSQG Inspections. Output reflects inspections completed through 12/31/2018. Output reflects additional inspections completed through 6/30/2019.			
	Create targeting scheme using reporting information, requests for EPA ID#, etc. ADEQ will discuss targeting scheme. Scheme will include the approved LQG Flexibility Project.		Inspection List	12/31/2018 6/30/2019	1	Targeted facilities include those never inspected, those not inspected in the last two years, those with significant increases in waste generation, and those exceeding acute toxic waste generation (>2.2 lbs/month). In addition, we maintain a rolling log of high risk facilities that are inspected every year if not multiple times within that year.			
	Coordinate with Pima County Department of Environmental Quality (PDEQ) to ensure inspections meet the outputs described above for LQGs and SQGs/CESQGs. PDEQ will forward inspection, violation, and enforcement data to ADEQ quarterly.	3/31/2019 9/30/2019 3/31/2020 9/30/2020	PDEQ data summary	12/31/2018	Ongoing	PDEQ has provided the required quarterly reports and other data to ADEQ per the delegation agreement.			
	Inform Border 2020 Program Coordinator of inspections and initiatives regarding facilities in border regions.		Ongoing		Ongoing				
	Prepare a list of Comprehensive Monitoring Evaluations (CMEs) facilities (groundwater monitoring inspections) to be inspected each year, by quarter. ADEQ will perform an annual operation and maintenance inspection of approved groundwater monitoring systems.	1/31/2019 1/31/2020	CME Inspection List	12/31/2018	Ongoing	Att 1.3.4.2 contains a list of the facilities with groundwater monitoring systems inspected by ADEQ in the fiscal year.	1.3.4.2		

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Inspections - Complaint Investigations: Investigate, triage, and respond to complaints as appropriate based on each situation and the information provided by the complainant.								
	Record complaint and referral calls, investigate complaints, and maintain log.		Ongoing	12/31/2018 6/30/2019	5	See attached spreadsheet PDEQ-SQG-VSQG Inspections (column H) & SQG-VSQG-Complaint Inspections (Column G).	3.1.3.1		
	Conduct major high priority enforcement sampling, multi-media investigations, and remedial/corrective action inspections; write reports and NOVs.		Ongoing	12/31/2018 6/30/2019	Ongoing	Multimedia investigations and remedial/corrective action inspections are ongoing.			
	Sampling and activities to support AGO criminal cases, multimedia, and other jurisdictions - only if it can be accomplished within existing complaint resources and activities listed above		Ongoing						
	Promote self-auditing and disclosure within the regulated community. Self-disclosures will be entered into RCRAInfo as the FSD classification.		Ongoing						
	COMPLIANCE - INFORMAL ENFORCEMENT/COMPLIANCE ACTIONS								
	Compliance action correspondence		As Required		Ongoing	Monthly action update letters, inspection reports within 30 days, notices and orders where applicable. A total of 54 Action Update Letters were sent between 07/01/2018 and 06/30/2019.			
	Compliance action meetings (Technical assistance, Internal, External, etc.)		As Required		Ongoing	Numerous external technical assistance meetings and internal compliance action meetings occurred this reporting period. See attached spreadsheet tab TA.			
	Remedial oversight (site visits)		As Required		Ongoing	The hazardous waste team provided remedial oversight for facilities that underwent cleanup activities and site visits for facilities that required further monitoring.			
	Consent/Compliance orders drafted		As Needed		Ongoing	See spreadsheet entitled Enforcement Actions for case summaries.			
	Amendments to existing administrative or judicial orders		As Needed		Ongoing	See spreadsheet entitled Enforcement Actions for case summaries.			
	Compliance cases closed (returned to compliance)		Ongoing			Current ADEQ performance measure is that a facility should have "Return to Compliance" in not more than 60 days.			
	Compliance assistance and regulatory interpretation via telephone and written		As Requested		191	ADEQ provided multiple written and telephone compliance assistance actions including interpretation letters and informal general regulatory assistance. See attached spreadsheet entitled TA.			
	Presentations to the regulated community on the State RCRA program.		As requested and as time allows	12/31/2018 6/30/2019	Ongoing	ADEQ conducted RCRA training presentations for the public as requested, as well as when a need for training was identified. Not counting incoming phone inquiry public outreach, a total of 4 RCRA workshops and 2 webinar presenations were provided to the public between July 1, 2018 and December 31, 2018. Between January 1, 2019 and June 30, 2019, another 5 RCRA workshops and 1 webinar presentation were provided.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Attend training coursess		As they become available		Ongoing	Compliance officers attended internal and external training courses and webinars in various subjects. Trainings included First Aid/CRP, HAZWOPER, HM 181, Western States Project (Intro to Environmental Enforcement, Verbal Judo, Inspector Safety), Asbestos Training.			
	Presentations to the regulated community in the border region on the State RCRA program and area-specific concerns.		As requested and as time allows	12/31/2018 7/12/2019	Ongoing	Scheduled for July 2019. Event was hosted on July 12th and details will be reported in Spring 2020 report out as it is still being analyzed.			
	INSPECTIONS - TECHNICAL SUPPORT ACTIVITIES								
	Maintain QA/QC plan and maintenance program for health, safety, air monitoring and sampling equipment.		As Required		Ongoing	A revised QA/QC was developed and consolidates maintenance and readiness into one plan while developing general training requirements. A draft of the plan was submitted to EPA and was approved January 2015.			
	Conduct safety, sampling, and technical training for internal staff. Conduct safety and sampling drills necessary to meet OSHA requirements.		As Required		Ongoing	All ADEQ HWICU staff members are current on training & medical evaluations necessary to meet OSHA and MSHA requirements. Respirator Fit Tests are current.			
	Timely data entry into RCRAInfo for evaluation, violations, and enforcement data elements.		As Required		Ongoing	Data entry sheets due to RS&A II within 48 hours of completion of inspection or site activity; data is entered upon receipt of forms.			
4S01 Groundwater Protection	**Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring.**							?	David Dunaway
	Report the number of inspections of facilities possessing the following permit types according to risk-based inspection criteria.								
	Individual APP; General APP;GQPP/NOD/Reuse			1/1/2019 6/30/2019	64 137	201 cumulative total			
	Report the total number of Informal Groundwater Enforcement Actions.			1/1/2019 6/30/2019	33 46	79 cumulative total			
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		1/1/2019 6/30/2019	33 46	79 cumulative total			
	Number of NOC/NOV Closures issued	Semi-Annual		1/1/2019 6/30/2019	25 36	61 cumulative total			
	Report the total number of Formal Groundwater Enforcement Actions.			1/1/2019 6/30/2019	5 0	5 cumulative total			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Number of Administrative Orders issued.	Semi-Annual		1/1/2019 6/30/2019	4 0	4 cumulative total			
	Number of Administrative Orders terminiated.	Semi-Annual		1/1/2019 6/30/2019	4 0	4 cumulative total			
4S02 Surface Water Protection	**Provide for clean and safe water by conducting site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2014). Provide electronic PDF copies of all completed major and minor inspection reports within 30 days of issuance to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.**							?	Andy Koester
	Pretreatment audits and inspections shall be performed in accordance with "Pretreatment Compliance Inspection and Audit Manual for Approval Authorities" (EPA 833/B-86-100, July 1986). Provide electronic PDF copies of the compliance inspection and audit reports within 30 days of issuance to the EPA Region 9 Pretreatment Coordinator and to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.								
	Review each AZPDES permit application from publicly owned treatment works (POTW) without a pretreatment program to determine whether any significant industrial users (SIU) are discharging to the POTW. If so, require the POTW to develop a pretreatment program (full or SIU oversight only) in the subsequent permit or alternatively add the SIUs to the State's SIU inventory.								
	Review and approve new programs (full or SIU-oversight only) and changes to approved pretreatment programs submitted by POTWs. Provide written analyses to the POTWs when such submittals are unprovable.								
	Evaluate, prepare, and take informal and formal enforcement actions for violations of water quality statutes, rules and permit conditions and federal CWA statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules. Provide electronic PDF copies of all formal and judicial enforcement actions when issued to R9NPDES@epa.gov, including the facility name and permit number in the email subject line.								
	Manage the Arizona data in the ICIS-NPDES data system according to EPA data policies and EPA's NPDES electronic reporting rule. This includes data collection, data entry to ICIS-NPDES of required data elements, and reporting. Data sources can include dischargers, state databases, and contractors. Electronic reporting rule requirements for storm water data shall be entered in compliance with the PPG grant condition. Arizona will ensure that data and reporting requirements as outlined in their State Implementation Plan (SIP) to meet Phase 2 requirements of EPA's NPDES electronic reporting rule is completed on schedule and inform EPA in a reasonable time frame if projected tasks cannot be met.								
	Report the total number of AZPDES point source inspections:							Susanne Perkins	Leigh Padgitt
	Perform scheduled compliance inspections of all major facilities that are operational every other year.	6/30/2020	57	6/30/2019	29			Susanne Perkins	Leigh Padgitt
	Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	6/30/2020	30	6/30/2019	16			Susanne Perkins	Leigh Padgitt
	Report the total number of inspections of stormwater facilities subject to general permitting requirements.							Susanne Perkins	Leigh Padgitt
	Industrial – to include a combination of permitted facilities and those with No Exposure Certification	6/30/2019 6/30/2020	100 150	6/30/2019	118			Susanne Perkins	Leigh Padgitt
	Construction - Phase 1 (facilities larger than 5 acres)	6/30/2019 6/30/2020	73 110	6/30/2019	73			Susanne Perkins	Leigh Padgitt

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Construction - Phase 2 (facilities between 1-5 acres) *Inspections of facilities that do not have permit coverage but are subject to general permitting requirements shall count toward the total number of inspections.	6/30/2019 6/30/2020	27 40	6/30/2019	35			Susanne Perkins	Leigh Padgitt
	Increase permitting of industrial facilities discharging stormwater without an authorizing permit			6/30/2019		Created standard work for rainy reconnaisance to identify areas with runoff; schedule inspections after visualizing discharge.			
	Report the total number of inspections of CAFO/AFO facilities (permitted and unpermitted).							Susanne Perkins	Leigh Padgitt
	Inspect all AZPDES permitted CAFOs on a five-year cycle	6/30/2020	0	6/30/2019	0	One permittee (inspected in 2018)		Susanne Perkins	Leigh Padgitt
	Inspect unpermitted CAFOs, as needed	6/30/2020		6/30/2019	1	Determined to not require coverage		Susanne Perkins	Leigh Padgitt
	Report the total number of Biosolids Inspections.							Susanne Perkins	Leigh Padgitt
	Wastewater treatment plants that land apply or surface dispose biosolids once every five years (20/5).	6/30/2020	10	6/30/2019	6			Susanne Perkins	Leigh Padgitt
	Large commercial applications	6/30/2020	8	6/30/2019	4			Susanne Perkins	Leigh Padgitt
	Small commercial applicators at least every other year; applicators applying to their own fields at least twice every five years.	6/30/2020	4	6/30/2019	2			Susanne Perkins	Leigh Padgitt
	Review annual reports submitted under biosolids rule.	6/30/2020	52	6/30/2019	150	Applicators 14, AZ Generators 31, Surface Disposal 19, Landfill 62, Packaged 1, CA Generators 23		Susanne Perkins	Leigh Padgitt
	Report the total number of sanitary sewers inspected.	6/30/2020	12	6/30/2019	6	Lake Havasu City, City of Phoenix, Pecan WRF, Town of Florence, City of Casa Grande, City of Mesa		Susanne Perkins	Leigh Padgitt
	Manage the pretreatment program							Susanne Perkins	Leigh Padgitt
	Review the annual reports submitted by each POTW with an approved pretreatment program and provide written feedback when program deficiencies are found.	6/30/2020	38	6/30/2019	14			Susanne Perkins	Leigh Padgitt
	Conduct pretreatment audits (PCA) of approved pretreatment programs. The audit shall include at least two inspections of significant industrial users to independently validate the application and implementation of pretreatment standards and requirements.	6/30/2020	8	6/30/2019	3			Susanne Perkins	Leigh Padgitt
	Report the total number of pretreatment compliance inspections (PCIs) conducted for approved pretreatment programs. (A PCI shall not be conducted in the same year as a pretreatment audit.)	6/30/2020	16	6/30/2019	6			Susanne Perkins	Leigh Padgitt

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report the total number of SIU-oversight inspections (POTW with an SIU-oversight only pretreatment program). The focus of these inspections is solely to ensure that SIUs are complying with pretreatment standards and requirements.	6/30/2020	2	6/30/2019	0			Susanne Perkins	Leigh Padgitt
	Report total number of complaints investigated relating to Clean Water Act.							Susanne Perkins	Leigh Padgitt
	Complaints received	Semi-Annual	Semi-Annual	6/30/2019	63			Susanne Perkins	Leigh Padgitt
	Number of complaint/non-routine surface water inspections	Semi-Annual	Semi-Annual	6/30/2019	34			Susanne Perkins	Leigh Padgitt
	Report a list of informal enforcement actions issued and closed for any data not reported to ICIS:							Susanne Perkins	Leigh Padgitt
	MSGP Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019	43;30			Susanne Perkins	Leigh Padgitt
	CGP Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019	26;21			Susanne Perkins	Leigh Padgitt
	Biosolids Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019	3;2			Susanne Perkins	Leigh Padgitt
	CAFO Issued; Closed	Semi-Annual	Semi-Annual	6/30/2019	0; 0			Susanne Perkins	Leigh Padgitt
	Report a list of formal enforcement actions for any data not reported to ICIS:							Susanne Perkins	Leigh Padgitt
	Administrative Orders issued	Semi-Annual	Semi-Annual	6/30/2019	3			Susanne Perkins	Leigh Padgitt
	Administrative Orders terminated	Semi-Annual	Semi-Annual	6/30/2019	5			Susanne Perkins	Leigh Padgitt
	Complete a review and provide a response to automated QNCR (major/minor) data to identify and data inaccuracies.	Quarterly	Quarterly			Completed quarterly		Susanne Perkins	Leigh Padgitt

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Hold meetings and/or conference calls with EPA to discuss timely and appropriate CWA enforcement. Document agreement on discussed items on follow up actions. One call each quarter will be devoted to discussing the QNCR/QNVR list and the details of actions taken on each SNC on the QNCR list. EPA's policy defines "timely" enforcement as formal enforcement taken against a facility in significant non-compliance ("SNC") within 5 ½ months of the end of the quarter in which the facility first appears as SNC on a Quarterly Non-Compliance Report ("QNCR"). Formal enforcement is defined by EPA as an administrative order or civil action that requires the facility to return to compliance. EPA will consider taking formal enforcement action against SNC facilities if ADEQ does not issue a timely formal enforcement action.	Monthly	Monthly			Completed monthly		Susanne Perkins	Leigh Padgitt
	Update the compliance monitoring strategy for FY19/FY20	4/15/2019		6/30/2019		The plan will be updated with actual outputs during the EOY reporting process for each FY (due 8/15)		Susanne Perkins	Leigh Padgitt
	Annual review of State Implementation Plan for Phase 2 NPDES E-rule reporting	4/15/2019		6/30/2019		On Target to have all AZPDES e-reporting requirements competed by December, 2020. **Completed:** Construction General Permit; Multi-Sector General Permit; DeMinimis General Permit; Small MS4 General Permit; DMRs for Indivisual Permits. **In Process**: Sanitary Sewer Overflow (90% Complete) **Scheduled:** Biosolids; Pre-treatment		Susanne Perkins	Randy Matas and Chris Henninger
4S04 Safe Drinking Water	**Provide for clean and safe water by conducting compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies. Populate SDWIS sanitary survey fields. Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutues and rules. Utilize community liaisons to track progress toward meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry.**							?	Jennifer Peterson
	Report the number of Drinking water sanitary surveys conducted, prioritized by date of last survey.			7/1/2018 6/30/2019	364				
	Scheduled inspections of all surface water (SW), surface water purchased (SWP) or ground water under the direct influence of surface water (GWUDI) primary source PWSs are on a three-year cycle.	TBD							
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		7/1/2018 6/30/2019	12				
	Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	TBD							
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		7/1/2018 6/30/2019	140				

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	TBD							
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		7/1/2018 6/30/2019	212				
	Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	TBD							
	Report the number of sanitary surveys completed each fiscal year, as applicable	7/31/2018 7/31/2019		7/1/2018 6/30/2019	55				
	Report the total number of complaints investigated related to drinking water.	Semi-Annual		7/1/2018 6/30/2019	87				
	Report the total number of complaints/non-routine drinking water inspections.	Semi-Annual		7/1/2018 6/30/2019	9				
	Report the total number of informal Drinking Water Enforcement Actions.			7/1/2018 6/30/2019	210				
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		7/1/2018 6/30/2019	210				
	Number of NOC/NOV Closures	Semi-Annual		7/1/2018 6/30/2019	187				
	Report the total number of formal Drinking Water Enforcement Actions.			7/1/2018 6/30/2019	9				
	Number of Administrative Orders issued.	Semi-Annual		7/1/2018 6/30/2019	9				
	Number of Administrative Orders terminated.	Semi-Annual		7/1/2018 6/30/2019	11				
	Evaluate and respond to EPA's July 2018 Enforcement Tracking Tool (ETT) Report	6/30/2019				Complete			
	Evaluate and respond to EPA's July 2019 Enforcement Tracking Tool (ETT) Report	6/30/2020				Complete			
	Address all water systems with a score of 11 or higher.	Semi-Annual	7/1/2019			Complete			
	During the quarterly conference calls between ADEQ and EPA Enforcement Division, discuss and identify EPA/Staet workshare (i.e. list of specific systems) for addressing public water systems with a score of 11 or higher.	Quarterly				Complete			
	Hold quarterlyly meetings and/or conference calls with EPA to discuss drinking water enforcement. Document agreement on discussed items and follow up actions.	Quarterly				Complete			
4S04 Safe Drinking Water	**Provide for clean and safe water by continuing WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate.**							?	Jennifer Peterson

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Finalize Master Priority List (MPL) for system level technical assistance in conjunction with WIFA.	3/16/2019 3/16/2020	1	5/20/2019	1	Oral proceeding held and MPL was finalized on 5/20/2019			
	Initiate System Evaluations (SEs) projects to state approved contractors and oversee contractor performance. Apply system level TA, which may include fundable ranges outined in WIFA's Intended Use Plan (IUP), within 30 days after SEs are approved by the state.	Semi-Annually	5	12/31/2018 6/30/2019	13 3	Picacho WID, Pinedale Estates DWID, Villa Grande DWID			
	Report the technical assistance provided to small PWS with a high score on the MPL.	Semi-Annually		12/31/2018 6/30/2019	10 11	Alma Ranchettes, Arroyos Water Co., Cibola Mutual Water Co., Monte Vista Water Co., Picacho WID, Pinedale Estates DWID, Sun Valley Farms Unit VI, Shepard Water Co., Sierra Pacific Mobile Manor, Town of Wellton, White Hills Unit 1. Another 10 PWSs requested technical assistance or ADEQ offered technical assistance based on previous conversations.			
	Report the number of small PWSs in compliance with health based standards	6/30/2019 6/30/2020		7/30/2019	1400	Approximately 1400 small water systems are in compliance with health-based standards.			
	If resources are available, ADEQ will attend the national Capacity Development and Operator Certification conference/workshop	8/16/2018 TBD 2019		8/8/2018	1	TA Coordinator and Op Cert Coordinator attend the workshop in Indianapolis, IN			
	If resources are available, ADEQ will attend the EPA-ORD Small Systems Compliance Technology Workshop	6/30/2019 6/30/2020		9/23/2019	1	New engineer will be attending workshop in Cincinnati, OH			
	Report the number of small PWS which a water rate analysis/rate case was completed.	Semi-Annually		12/31/2018 6/30/2019	0 0	Program will evaluate again after new TA staff is on board			
4S05 Water Reuse	**Provide for clean and safe water by implementing compliance and enforcement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize compliance assistance, outreach to prevent violations or situations jeopardizing Arizona's groundwater from occurring.**							?	David Dunaway
	Report the number of inspections of facilities involved in recycled or reclaimed water.			1/1/2019 6/30/2019	16 31	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
	Report the total number of Informal Water Reuse Enforcement Actions.			1/1/2019 6/30/2019	33 0	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		1/1/2019 6/30/2019	33 4	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Number of NOC/NOV Closures issued	Semi-Annual		1/1/2019 6/30/2019	25 4	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
	Report the total number of Formal Water Reuse Enforcement Actions.			1/1/2019 6/30/2019	5 0	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
	Number of Administrative Orders issued.	Semi-Annual		1/1/2019 6/30/2019	4 0	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
	Number of Administrative Orders terminated.	Semi-Annual		1/1/2019 6/30/2019	4 0	Mid-year (1/1/2019) reporting inadvertently included both APP and Reuse inspections combined. The End of Year report contains the correct number of inspections for just the Reuse program.			
3.1.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
3.1.5 by Value Stream Name	**Data Management and Reporting**					**0 FTE; $0 Output Total**			
3.1.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			
3.1.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0.46 FTE; $53,316 Output Total**			
1S06 Legislative Affairs	**Revitalize land and prevent contamination through administering the Surveillance and Enforcement sections of the Arizona-Mexico Border Work Plan. This output is administered through a partnership with the ADEQ Hazardous Waste Value Stream (3S02).**							Emily Pimentel	Edna Mendoza
	Surveillance and Enforcement								
	Arizona Border Environmental Enforcement Roundtable								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	In lieu of the defunct Arizona Border Environmental Enforcement Task Force, ADEQ will facilitate a roundtable video/teleconference on a semi-annual basis prior to the binational Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings.	Semi-Annual	Roundtable video/teleconference	12/31/2018 6/30/2019	1 Meeting and Webinar Notification	Although no Arizona-Sonora Border 2020 Waste and Enforcement Task Force meetings were held this reporting cycle, ADEQ staff reached out to U.S. Customs and Border Protection (CBP) contacts at the Nogales Mariposa (Commercial) Port of Entry to check if they had any concerns they'd like assistance with. There were no concerns identified. ADEQ notified CBP of a hazardous waste rulemaking, in which the agency plans to adopt EPA's e-manifest and generator improvement rules, and other rules finalized in 2017. Meetings and webinars were held on June 14 and 29, 2018. No activity this reporting cycle.			
	Border Inspections and Compliance								
	As part of semi-annual performance reports, ADEQ's Hazardous Waste Unit within the Waste Programs Solid Waste/Hazardous Waste Section, submit a list of inspections and compliance activities performed statewide. Those that are within the border counties of Yuma, Santa Cruz and Cochise will be noted as such to fulfill this objective.	Semi-Annual		12/31/2018	Included with Hazardous Waste updates in Section 3.1.3 of this report.				
	Transboundary Compliance and Enforcement Issues								
	This output is linked with the Arizona Border Environmental Enforcement Roundtable output above, as well as the Border 2020 Program Leadership for the Arizona-Mexico Region and Coordination with State of Sonora and Mexico Officials on Waste Management. Issues or concerns related to the cross-border or transboundary compliance and enforcement will be noted and incorporated into those objectives and sections.	As applicable	Binational Coordination Meeting	12/31/2018 6/30/2019	None Coordination with partnering agencies	No activity this reporting cycle. Coordination continued this reporting cycle on cross-border environmental compliance concerns related to sewage flows in the Naco and Nogales areas. Additional updates have been noted in previous sections of this report.			
3.1.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
3.1	**Objective Total - FYTD**					**37.96 FTE; $28,330,739 Output Total**			
					PPG Only Total	**8.38 FTE; $1,414,469 Output Total**			

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EPA STRATEGIC GOAL:	**3.**	**Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.**
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	**3.2**	**Create Consistency and Certainty: Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.**

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 3,933 (1.89 FTE) labor hours, at a cost of $182,576, and $342,459 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 1,969 (1 FTE) labor hours at a cost of $91,412 and $389 in non-personnel costs and $0 in Aid to Organizations. In addition to $31,599 PPG State match, , $0 will be contributed from non-PPG State match, $401,635 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $525,034. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.2.1 by Value Stream Name	**Planning, Program Development and Implementation**					**1.2 FTE; $116,417 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by creating guidance documents to support permittees in understanding what is current best practices of preventing pollution from impacting groundwater. Arizona's rules and statutes specify facilities use the Best Available Demonstrated Control Technology (BADCT). These updated guidance documents and manuals will allow faster permit issuance with updated technologies, while providing consistency and certainty to the regulated community.**							?	David Dunaway
	Create and publish guidance documents; report new documents, as applicable	As needed	# of documents			Guidance documents will be made available via the ADEQ web site.			
	Review and update the BADCT	Annually				Non-mining (i.e. wastewater treatment plants) BADCT manual update project approved to move forward in January 2019. Contractors are beginning developing the stakeholder group and outline of manual			
3.2.2 by Value Stream Name	**Permitting and Certifications**					**0.05 FTE; $5,323 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through creating consistency and certainty through communicating and utilizing standard permitting processes.**							Sarah Samples	Terry Baer
	Conduct pre-application meetings with applicants for new permits and permit modifications.	As needed		12/31/2018 6/30/2019		STATUS: No pre-application meetings held in this reporting period. One meeting will be held in the next reporting period (July 2019)			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Discuss standard processes and checklists to be used and schedule to establish expectations for permitting staff and the applicant.	Semi-Annually and As Needed		12/31/2018 6/30/2019 7/31/2019		STATUS: Permit Checklists have been updated for 2 TSDFs: Barry M. Goldwater Range East and World Resources Company. STATUS: Jan 2019: Permit Checklists have been updated for 2 TSDFs: Barry M. Goldwater Range East and World Resources Company. STATUS: July 2019: Permit Checklists have been updated for 7 TSDFs: Camp Navajo, Conn-Selmer, UPCO, Nammo Talley, Safety-Kleen			
3.2.3 by Value Stream Name	**Compliance and Enforcement**					**0.05 FTE; $5,323 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through creating consistency and certainty through standardized inspections processes**							Sarah Samples	Terry Baer
	Share inspection checklists with regulated facilities and discuss standard inspection practices as part of outreach and education on the inspection process.	Annually and As Needed			ongoing	Inspection checklists are shared prior to facility inspections.			
3.2.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
3.2.5 by Value Stream Name	**Data Management and Reporting**					**0 FTE; $0 Output Total**			
3.2.6 by Value Stream Name	**Monitoring**					**0.58 FTE; $397,972 Output Total**			
4S04 Safe Drinking Water	**Provide for clean and safe water by assisting small public water systems serving fewer than 10,000 populations with improving system compliance through creating consistency and certainty for the regulated community by developing and implementing strategies to perform required monitoring. Provide techinical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed.**							**No PPG FUNDING Review Needed**	Jennifer Peterson
	Update and improve monitoring schedules, including waivers and/or reduced monitoring assessments, for:								
	Groundwater PWSs	Semi-Annually		Semi-Annually		on target			
	Surface Water PWSs	Semi-Annually		Semi-Annually		on target			
3.2.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.2.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
3.2	**Objective Total - FYTD**					**1.89 FTE; $525,034 Output Total**			
					PPG Only Total	**0.95 FTE; $91,801 Output Total**			

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EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.3	Prioritize Robust Science: Refocus the EPA's robust research and scientific analysis to inform policy making.

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 3,967 (1.91 FTE) labor hours, at a cost of $238,293, and $1,858 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 3,967 (1.91 FTE) labor hours at a cost of $238,293 and $1,858 in non-personnel costs and $0 in Aid to Organizations. In addition to $0 PPG State match, , $0 will be contributed from non-PPG State match, $0 from additional State funding sources, $0 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $240,151. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.3.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0 FTE; $0 Output Total**			
3.3.2 by Value Stream Name	**Permitting and Certifications**					**0 FTE; $0 Output Total**			
3.3.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
3.3.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
3.3.5 by Value Stream Name	**Data Management and Reporting**					**1.91 FTE; $240,151 Output Total**			
2S03 Air Improvement Planning	**Improve air quality through the development of a standardized pollutant-specific, area source, statewide emissions inventory of NOx and VOC air pollutant emission sources within the boundaries of the State for reporting emissions data to EPA and for use in technical analyses and area-specific State Implementation Plans.**							Lauren Maghran	Joe Martini
	Compile pollutant specific, statewide[ł], area source emissions inventories that contain spatial location information by Source Classification Codes for the following pollutants:		On average: 1 Source Classification Code per week			ł Statewide emissions inventory does not include emissions inventories developed by the Maricopa County Air Quality Department, Pima County Department of Environmental Quality or the Pinal County Air Quality Control District.			
	$PM_{2.5}$	6/30/2020	95%						
	PM_{10}	6/30/2020	95%						
	Compile a database assessment report with recommendations for collecting and storing emissions inventory related data (Phase 2).	6/30/2019	100%	7/26/2019	90%				
	Process annual stationary source emission inventory reports	6/30/19 6/30/20	Annual Report	4/26/2018	10%	Starting annual EI process now.			
3.3.6 by Value Stream Name	**Monitoring**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.3.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			
3.3.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
3.3	**Objective Total - FYTD**					**1.91 FTE; $240,151 Output Total**			
	PPG Only Total					**1.91 FTE; $240,151 Output Total**			

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EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.4	Streamline and Modernize: Issue permits more quickly and modernize our permitting and reporting systems.

To accomplish the results for this EPA Objective/ADEQ Program Element, it is estimated that for the second year, 67,038 (32.23 FTE) labor hours, at a cost of $4,088,443, and $1,205,708 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 6,956 (3.34 FTE) labor hours at a cost of $426,128 and $118,039 in non-personnel costs and $0 in Aid to Organizations. In addition to $1,537,999 PPG State match, , $0 will be contributed from non-PPG State match, $3,010,102 from additional State funding sources, $201,883 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $5,294,151. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.4.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0 FTE; $0 Output Total**			
3.4.2 by Value Stream Name	**Permitting and Certifications**					**31.55 FTE; $4,884,040 Output Total**			
4S01 Groundwater Protection	**Provide for clean and safe water by administering Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies. Assist individual wastewater systems to improve operations on site.**							?	David Dunaway
	Report number of permitting decisions on Type 4 General Permit								
	Construction Authorizations (Strategy 2.b.i)	Semi-Annual		1/1/2019 6/30/2019	54 58	112 cumulative total			
	Discharge Authorizations (Strategy 2.b.i)	Semi-Annual		1/1/2019 6/30/2019	60 42	102 cumulative total			
	Report number of permitting decisions on Certificates of Approval of Sanitary Facilities for Subdivisions applications. (Strategy 3.a.i)	Semi-Annual	Report Decisions-Sanitary Facilities	1/1/2019 6/30/2019	10 21	31 cumulative total			
	Report on groundwater issues related to underground injection via the APP Permits with UIC Nexus.	Semi-Annual	Report Issues	2/6/2019 6/30/2019	0 0	No issues reported. No issues to report. Next potential topic for discussion is upcoming Florence Copper amendment.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report number of permitting decisions on APP and reclaimed water permit applications.	Semi-Annual		12/31/2018 6/30/2019	149 APP /43 recycled water permits. 107 APP /45 recycled water permits.	256 APP / 88 recycled water permits cumulative total.			
	Provide technical support to WQIG on grant applications & public education. (Strategy 3.a.i)	As needed		12/31/2018 6/30/2019		Consulted with Surface Water Improvement Value Stream on watershed, APP nexus and some grants. Provided mining and remediation expertise for consultation with Surface Water Protection and Surface Water Improvement Planning.			
	Register existing and new dry wells (Class V injection wells). Report number registered.	Semi-Annual	Report Registrations	1/1/2019 6/30/2019	584 905	1,489 cumulative total ADEQ switched reporting structure from paper to electronic submittials in 2018. As of 8/28/19, ADEQ is pulling total number of drywell registrations out of the new database and troubleshooting errors. Will provide update to UIC staff as soon as possible.			
	Provide list of APP recharge applications in progress.	Semi-Annual	Application List Provided	2/6/2019 8/28/2019	2 15	City of Surprise - SPA-1 Bell Road Lake/Surprise Center Recharge Facility (APP: 511946, LTF: 63329)(external review); Sweetwater Recharge Facility (APP: 103370, LTF: 74153)(tech review) See attachment for current APP applications in process with recharge components.			
	Review hydrologic reports, attend meetings and provide technical support on projects related to mitigation orders.	As needed		As needed		Continued work on FMI Sierrita and FMI Bisbee mitigation orders.			
	Manage the Pesticide Contamination Prevention Program								
	Evaluate potential for agriculture use pesticide active ingredients to reach and/or impact groundwater.	Semi-Annual	Report # processed	1/1/2019 6/30/2019	18 36				
	Publish the annual Groundwater Protection List (GWPL)	Semi-Annual	Publish List	7/6/2018	Arizona Administrative Register				
	Protect water resources from contamination by training and certifying Arizona's wastewater treatment plant operators								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Report number of certificates issued and renewed by grade for wastewater collections and wastewater treatment.	Semi-Annual	Report	1/1/2019 6/30/2019	Grade 1 = 324; Grade 2 = 199; Grade 3 = 128; Grade 4 = 169 Grade 1 = 517; Grade 2 = 428; Grade 3 = 276; Grade 4 = 530	wastewater treatment 1-128, wastewater treatment 2-88, wastewater treatment 3-63, wastewater treatment 4-80, wastewater collection 1-196, wastewater collection 2-111, wastewater collection 3-65, wastewater collection 4-89 wastewater treatment 1-237 wastewater treatment 2-186 wastewater treatment 3-156, wastewater treatment 4-293, wastewater collection 1-280 wastewater collection 2-242, wastewater collection 3-120, wastewater collection 4-237			
	Conduct training workshops for the community of wastewater treatment plant operators; report number of events conducted.	Semi-Annual	Report (10)	1/1/2019 6/30/2019	3 2	8/30/2018, 9/25/2018, 10/29/2018			
4S02 Surface Water Protection	**Provide for clean and safe water by administering CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards.**							?	Andy Koester
	Report certification decisions on State 401 applications.	Semi-Annual					401 Certification Actions Table		
	Regional CWA 401 general permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	3 7				
	Individual CWA 401 Permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	4 3				
	Nationwide CWA 401 permits	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	5 4				
	Other federal permit of licenses applications	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	1 0				
	State 404 Assumption							Sam Ziegler	Randy Matas
	Hold periodic meetings and/or conference calls with EPA to discuss 404 assumption activities, progress updates, assistance needs, and timelines to assist development and submittal of an approvable assumption package. Coordinate timelines with EPA, to the extent possible, to provide sufficient advanced notice and time necessary for EPA review.	Bi-Weekly as needed	Kaizen Newspaper (when needed)	6/30/2019	On-going	ADEQ has continued to meet with EPA, generally biweekly, on topics related to Executive Working Group and Memorandum of Agreement, and assumption package.		Sam Ziegler	Randy Matas
	Prepare overall framework of activities with timeline to be undertaken for completing 404 assumption package.	Completed	404 Assumption Timeline	6/30/2019	On-going	Updated EPA on timelines electronically and in person on July 17.		Sam Ziegler	Randy Matas

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Conduct stakeholder process utilizing facilitated workgroups to engage full range of interests in program development. Invite EPA participation as appropriate.	11/20/2018 12/15/2019 1/15/2019	Roadmap Document (Feasibility Study)	6/30/2019	See comments	Workgroup Deliverables: EPA has participated in Executive Workgroup and Tribal Nations Workgroup.		Sam Ziegler	Randy Matas
	Conduct formal rulemaking process	4/15/2019 6/15/2019	Draft Second Draft	6/30/2019	See Comments	ADEQ plans to continue this work late in 2019 per the revised schedule, as shared with EPA in July.		Sam Ziegler	Randy Matas
	Multiple agency coordination and development of MOA's including but not limited to with USCOE and USEPA.	12/15/2019 3/15/2020	Draft Final	6/30/2019	See Comments	Currently in the process for drafting MOAs for these entities.		Sam Ziegler	Randy Matas
	Prepare program submittal package that includes program description, signed MOAs, Attorney General Certification.	12/1/2019 03/15/2020 5/5/2020		6/30/2019	See Comments	Items will commence in December, and follow the revised schedule as shared on July 17. Draft Program Description Draft Attorney General Certification Final Submittal Package from Governor to EPA		Sam Ziegler	Randy Matas
	Semi-annual update	Semi-Annual		6/30/2019	See Comments	ADEQ is supplying regular updates and will add an agenda item to the weekly call to ensure the topic is memorialized.		Sam Ziegler	Randy Matas
4S02 Surface Water Protection	**Provide for clean and safe water by administering federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies.**						AZPDES Renewal Permits Table	?	Krista Osterberg
	Report number of permitting decisions on AZPDES individual permit applications:								
	Issued	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 TOTAL	9 26 35				
	Modified	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 TOTAL	2 5 7				
	Denied	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 TOTAL	0 0 0				
	Suspended	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 TOTAL	0 0 0				
	Withdrawn/Revoked	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 TOTAL	1 0 1	Pilot Travel Center individual permit not re-issued because they obtained coverage under industrial stormwater permit			
	Backlogged	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	10 7	8 - Phase I MS4; Houston Creek; Yuma Figueoa 7 Phase I MS4			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Process permit renewals for all expiring AZPDES permits with a goal of 90% current to minimize backlog.		>90 Renewals		93%	(For purposes of this work plan, 'backlog' means an AZPDES application that is 6 months after the permit expiration or one year after application receipt date for a new application.) The total universe in AZ is 141 Individual Permits and 9 Master General Permits. There are 7 individual permits backlogged and 4 master general permits backlogged. The Arizona % current = 93%.	AZPDES Renewal Permits Table	Elizabeth Sablad	Randy Matas and Chris Henninger
	Phase I MS4 Permits	6/30/2020			See comments	Off track. ADEQ has initiated preliminary discussionw with permittees.		Elizabeth Sablad	Chris Henninger
	Start Draft	7/1/2019				ADEQ has established a schedule to work with customers to issue a Phase I MS4 general permit.		Elizabeth Sablad	Chris Henninger
	Stakeholder Meeting (large MS4 permittees)	9/1/2019						Elizabeth Sablad	Chris Henninger
	Stakeholder Meeting (if applicable)	11/1/2019						Elizabeth Sablad	Chris Henninger
	Public Notice in A.A.R.	12/1/2019						Elizabeth Sablad	Chris Henninger
	Final Issuance	6/30/2020						Elizabeth Sablad	Chris Henninger
	Review annual reports	1/31/2019						Elizabeth Sablad	Chris Henninger
	Continue Outreach efforts	Ongoing						Elizabeth Sablad	Chris Henninger
	Implement activities for MS4 Permittees							Elizabeth Sablad	Chris Henninger
	Phase I: Conduct one audit of each permittee once evey five years	6/30/2020	Target = 2	6/30/2019	1			Elizabeth Sablad	Leigh Padgitt
	Phase II: Perform one audit of each permittee once every seven years.	6/30/2020	Target = 16	6/30/2019	8			Elizabeth Sablad	Leigh Padgitt
	Reissue the following General Permits: Multi Sector GP, Construction GP, Pesticide GP, Infrequent Discharges GP, Minor Discharges GP, Biosolids Land Application GP							Elizabeth Sablad	Randy Matas and Chris Henninger
	Reissue Industrial Stormwater Permit (MSGP)	1/31/2019			See Comment	Off track - stakeholder process has been extended after public notice. Extension discussed and agreed upon by EPA and ADEQ.		Elizabeth Sablad	Chris Henninger
	Complete internal draft, share with EPA	7/1/2018						Elizabeth Sablad	Chris Henninger
	Conduct 2018 Stakeholder Meetings	Aug 2018 - April 2019						Elizabeth Sablad	Chris Henninger
	Finalize draft and submit for Public Notice	November 2018						Elizabeth Sablad	Chris Henninger
	Prepare response to comments	4/1/2019						Elizabeth Sablad	Chris Henninger

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Finalize and issue final permit	5/31/2019			6/30/2019	ADEQ re-issued the permit in May, 2019 with and effective date of January 1, 2020. The reason for the delayed effectiveness is to allow ADEQ to update the online permitting program to align with the permit and meet e-reporitng requirements.		Elizabeth Sablad	Chris Henninger
	Reissue Construction General Permit	6/30/2019			See Comment	Off track - stakeholder process has been extended		Elizabeth Sablad	Chris Henninger
	Finalize draft and submit for Public Notice	4/26/2019							
	Prepare response to comments	May, 2019							
	Finalize and issue final permit	6/30/2019							
	Reissue Pesticide General Permit	12/31/2019			See Comment	Off track		Elizabeth Sablad	Chris Henninger
	Finalize and issue final permit	12/31/2019			6/30/2019	Off Track - subsequent to the public notice proecss of the draft permit, it was determined to update (modernize) the current (2013) permit. ADEQ is re-engaging stakeholders and anticipates having the permit re-issued in first quarter 2020.			Chris Henninger
	Reissue Infrequent Discharger General Permit							Elizabeth Sablad	Randy Matas
	Prepare preliminary draft permit	NA - Done						Elizabeth Sablad	Randy Matas
	Stakeholder Process	NA - Done						Elizabeth Sablad	Randy Matas
	Public Notice in A.A.R.	8/1/2018		NA	6/30/2019	Due to low customer base (three customers total) and cost of to ADEQ and customers, ADEQ anticipates not re-issueing the general permit and having existing customers apply for individual permits.		Elizabeth Sablad	Randy Matas
	Issue General Permit	11/1/2018						Elizabeth Sablad	Randy Matas
	Reissue Minor WWTP General Permit				6/30/2019	Due to low customer base (two customers total) and cost of to ADEQ and customers, ADEQ anticipates not re-issueing the general permit and having existing customers apply for individual permits.		Elizabeth Sablad	Randy Matas
	Prepare preliminary draft permit	NA - Done						Elizabeth Sablad	Randy Matas
	Stakeholder Process	NA - Done						Elizabeth Sablad	Randy Matas
	Public Notice in A.A.R.	8/1/2018		NA	See comments	Draft general permit was not public noticed in the first half of FY19. ADEQ is still evaluating the feasibility of this permit. There are only 3 filers.		Elizabeth Sablad	Randy Matas
	Issue General Permit	11/1/2018						Elizabeth Sablad	Randy Matas
	Reissue Biosolids General General Permit				6/30/2019	Draft permit has been on hold due to lack of permit writer staffing. However, a draft permit has been prepared.		Elizabeth Sablad	Randy Matas
	Prepare preliminary draft permit	NA - Done						Elizabeth Sablad	Randy Matas

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Stakeholder Process	NA - Done						Elizabeth Sablad	Randy Matas
	Public Notice in A.A.R.	9/1/2018		NA				Elizabeth Sablad	Randy Matas
	Issue General Permit	12/1/2018						Elizabeth Sablad	Randy Matas
	AZPDES General Permits - Review and process applications, annual reports, DMRs and SWPPPs. Report applications processed:							Elizabeth Sablad	Randy Matas
	Biosolids GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Biosolids GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Biosolids GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	10	No Change. Total number of active customers with coverage under the biosolids general permit = 10		Elizabeth Sablad	Randy Matas
	Infrequent discharge GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Infrequent discharge GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Infrequent discharge GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	3	No Change. Total number of active customers with coverage under the Infrequent Discharger general permit = 3		Elizabeth Sablad	Randy Matas
	Minor discharges GP - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Minor discharges GP - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 0			Elizabeth Sablad	Randy Matas
	Minor discharges GP - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	3	Total number of active customers with coverage under the Minor Discharger general permit = 2		Elizabeth Sablad	Randy Matas
	Multi-Sector General Permits - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 FY19 Total	36 31 67			Elizabeth Sablad	Chris Henninger
	Multi-Sector General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 FY 19 Total	45 42 87			Elizabeth Sablad	Chris Henninger
	Multi-Sector General Permits - Certificate of No Exposure	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 Total	14 19 33	Total Universe of NEC = 534		Elizabeth Sablad	Chris Henninger
	Multi-Sector General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	1194 1183	Total number of active customers with coverage under the Multi-Sector General Permit = 1183 as of 6/30/2019		Elizabeth Sablad	Chris Henninger
	Stormwater Construction General Permits - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 FY 19 Total	874 905 1,779			Elizabeth Sablad	Chris Henninger
	Stormwater Construction General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 FY19 Total	843 996 1,839			Elizabeth Sablad	Chris Henninger

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Stormwater Construction General Permits - Waivers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 FY19 Total	30 21 51			Elizabeth Sablad	Chris Henninger
	Stormwater Construction General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	3604 3,695	Total number of active customers with coverage under the Stormwater Construction General Permit = 3,695 as of 6/30/2019		Elizabeth Sablad	Chris Henninger
	DeMinimis General Permits - Notices of Intent -Single Source	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 Total	12 15 27			Elizabeth Sablad	Randy Matas
	DeMinimis General Permits - Notices of Intent - Area wide	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 Total	1 3 4			Elizabeth Sablad	Randy Matas
	DeMinimis General Permits - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019 Total	7 24 31			Elizabeth Sablad	Randy Matas
	DeMinimis General Permits - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	123 117	Total number of active customers with coverage under the DeMinimis General Permit = 117 as of 6/30/2019		Elizabeth Sablad	Randy Matas
	Pesticide General Permit - Notices of Intent	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 4			Elizabeth Sablad	Chris Henninger
	Pesticide General Permit - Notices of Termination	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	0 5			Elizabeth Sablad	Chris Henninger
	Pesticide General Permit - Number of Filers	Semi-Annual	Semi-Annual	12/31/2018 6/30/2019	44 48			Elizabeth Sablad	Chris Henninger
4S04 Safe Drinking Water	**Provide for clean and safe water by performing Drinking Water Plan Reviews**							?	Jennifer Peterson
	Report numbers of permitting decisions on drinking water plan review applications, POU/POE approvals are included in the ATC/AOC numbers.								
	Approvals to Construct (ATC)	Semi-Annual	90	Semi-Annual	90 113	ATCs completed 7/1/18 - 12/31/18 ATCs completed 1/1/2019 - 06/30/2019 Cumulatively, 203 ATCs were completed 7/1/2018 - 06/30/2019			
	Approvals of Construction (AOC)	Semi-Annual	72	Semi-Annual	72 79	AOCs completed 7/1/18 - 12/31/18 AOCs completed 1/1/2019 - 06/30/2019 Cumulatively, 151 AOCs were completed 7/1/2018 - 06/30/2019			
3.4.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.4.4 by Value Stream Name	**Project Management**					**0 FTE; $0 Output Total**			
3.4.5 by Value Stream Name	**Data Management and Reporting**					**0.08 FTE; $10,645 Output Total**			
3S02 Hazardous Waste	**Revitalize land and prevent contamination through streamlining permitting through use of myDEQ web portal.**							Sarah Samples	Terry Baer
	Manage the RCRAinfo Notification Program in Arizona using the myDEQ web portal for EPA Identification Numbers. Activities include:								
	Issuing EPA ID Numbers	Ongoing	As Needed	12/31/2018 6/30/2019		Issued 85 new EPA permanent and provisional EPA ID numbers submitted on paper. Processed 37 subsequent notifications submitted on paper. In addition, 789 initial notifications were issued on-line through the myDEQ portal. 178 subsequent notifications were processed though myDEQ. As of December 31, 2018, 22 subsequent notifications were awaiting approval by ADEQ staff. The backlog was due to over 150 subsequent notifications submitted during the second half of December in anticipation of all handlers needing to submit annual reports on-line rather than on paper. myDEQ reduced the time needed to process a notifications and award an EPA ID number from 20 minutes to 5 minutes. However, the increased volume caused overall time from submission to process completion to increase from 5 days to 45 days. Between December 31, 2018 and June 30, 2019, 369 notification requests were processed through myDEQ. This does not include requests in which owners and sites did not need to be verified. Of these 59 were initial notifications, three were provisional, 191 were subsequent and 59 requests were denied. All the denials were requests for new EPA ID number located at sites that previously had EPA ID numbers assigned to them.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Answering questions from the public on how to fill out forms, etc.	Ongoing	As Needed	12/31/2018 6/30/2019		Spent 240 hours making sure contact, owner and operator names, addresses, phones, emails and start dates were accurate in the 2018 BR submissions using the Arizona Corporation Commission and each Arizona County assessor's data. This infomation was then verified by the BR contacts. With myDEQ going live on October 1, 2018, the same process was folded into the standard work for checking all on-line notification submissions. This includes registrations by SQG and VSQG handlers. It is hoped that by the end of the registration process on March 1, 2019, the data in myDEQ will match RCRAInfo for each registration. All data for active Arizona EPA ID numbers will be up-to-date and accurate and the registrations act as subsequent notifications and will be translated to RCRAInfo via the node. Between October 1, 2018 and December 31, 2018, 41.22 hours were spent verifying and changing when needed site locations, site names, owner names and contact information and owner start dates. From December 31, 2018 and June 30, 2019, an additional 50.13 hours were spent verifying and changing this same information.			
	Upload to RCRAinfo database	Within 30 days of event	As Needed			see above			
3.4.6 by Value Stream Name	**Monitoring**					**0.59 FTE; $399,466 Output Total**			
4S04 Safe Drinking Water	**Provide for clean and safe water by performing the activities that support, streamline, and moderinze all the monitoring and reporting requirements and systems for public drinking water systems in accordance with state and federal drinking water rules.**							**No PPG FUNDING Review Needed**	Jennifer Peterson
	Complete SDWIS reporting for OECA on actions taken on systems with new violations.	Quarterly		12/31/2018	Qrtly upload to EPA CDX	Qrtly uploads on 9/15/18 and 2/15/19. Quarterly uploads are completed in the middle of each quarter, as well as a supplemental upload at the end of the quarter to provide the most up to date information			
	Run monitoring/reporting rules in SDWIS, or alternative system as per monitoring schedule, validate violations and ensure proper public notification is issued. Report rules that were not run.	Semi-Annual		12/31/2018 7/30/2019	All rules being run per the SDWA	Project in process to improve compliance tracking of PN using SDWIS. Estimated completion date 4/1/19. ADEQ now running compliance monthly on PN rule. ADEQ shared process and Standard Work with EPA (Daria). ADEQ is also expecting to begin running compliance on Operational Evaluation Level requirement for Stage 2 DBP starting in October.			
	Hold regular meetings and/or conference calls with EPA to discuss PWSs issues. Document agreement on discussed items and follow up actions.	Monthly	12		12	Monthly PWSS calls held with Region 9 drinking water staff			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Complete GUDI determination on new groundwater sources as they are developed. Report determinations.	Semi-Annual		12/31/2018 6/30/2019	0 0				
	Review and respond to incremental primacy crosswalks comments as provided by EPA for PWS definition, Arsenic and Radionuclides.	Within 45 days of receipt from EPA Region 9		12/31/2018 7/30/2019		ADEQ submitted draft primacy packages for PWS definition, Public Notice, and CCR to EPA for review on 2/13/19. ADEQ submitted draft primacy packages for DBP1, DBP2, and RTCR to EPA for review on 4/3/19. ADEQ submitted the revised AG certificate for Admin Penalty Authority to EPA on 4/3/19. As of 4/16/19, ADEQ has not received comments from EPA on all submittals. ADEQ's due date to submit draft primacy packages for RADs was 3/18/19. ADEQ's due date to submit draft primacy package for Arsenic is 5/20/19. ADEQ will also be submitting drafts for LCR and Groundwater rules. ADEQ submitted final versions for EPA approval of PWS definition, Administrative Penalty Authority, Audit Privilege Analysis, CCR, and PN to EPA on 7/26/19. ADEQ submitted draft packages for EPA review for RTCR, GWR, DBP1, DBP2, RADs, Arsenic, and LCR in April, May, and June. ADEQ also submitted to EPA for approval the revision for the Reduced Monitoring Waiver Program.			
	Review the January 2019 SDWIS Data Quality Report and determine high priority data quality improvement areas to be addressed in FY20.	7/1/2019				Have implemented rigorous data audits throughout our team, with a goal of continually submitting 100% clean data uploads.			
	Conduct an oversight audit of Maricopa County delegated program	6/30/2019		12/31/2018 7/30/2019		Audit scheduled for Spring 2019. Audit conducted in May 2019. Report of Findings with management for review and approval.			
	If resources are available, attend the annual ASDWA Data Management Users Conference	Semi-Annually		7/9/2018 7/30/2019		Attended 2018 DMUC. Attended 2019 DMUC.			
	Coordinate with EPA to schedule an EPA PWSS program review	10/1/2018							
	Review EPA's PWSS program review report and incorporate recommendations into the FY19 workplan as appropriate.	6/30/2019		12/31/2018 6/30/2019		PN audit findings will be addressed by 4/1/2019. PN audit findings were addressed in April 2019.			
3.4.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			
3.4.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
3.4	**Objective Total - FYTD**					**32.23 FTE; $5,294,151 Output Total**			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
					PPG Only Total	**3.34 FTE; $544,167 Output Total**			

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EPA STRATEGIC GOAL:	3.	Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.
EPA OBJECTIVE / ADEQ PROGRAM ELEMENT:	3.5	Improve Efficiency and Effectiveness: Provide proper leadership and internal operations management to ensure that the Agency is fulfilling its mission.

To accomplish the results for the Performance Partnership Grant Fiscal Years 2019-2020, it is estimated that for the second year, 32,272 (15.52 FTE) labor hours, at a cost of $1,866,534, and $454,601 in non-personnel costs and $0 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 24,229 (11.65 FTE) labor hours at a cost of $1,401,337 and $380,696 in non-personnel costs and $0 in Aid to Organizations. In addition to $146,473 PPG State match, , $0 will be contributed from non-PPG State match, $294,878 from additional State funding sources, $97,752 from other Intergovernmental Agreements, and $0 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $2,321,136. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.5.1 by Value Stream Name	**Planning, Program Development and Implementation**					**0 FTE; $0 Output Total**			
2S01 Monitoring & Assessment	Improve air quality by continuously evaluating and improving grant and program administration processes.							**No PPG FUNDING Review Needed**	Brad Busby
	Provide quarterly work plan status updates. Forecast and Monitor expenditures and activity assignments. Administer Assessment and Monitoring Programs.	4/30/2019 4/30/2020							
			90% data recovery			Data Recovery well above 90% for all months			
3.5.2 by Value Stream Name	**Permitting and Certifications**					**2.24 FTE; $294,236 Output Total**			
2S01 Monitoring & Assessment	Improve air quality by improving the efficiency and effectiveness of the Smoke Management Program, which is specific to forest and rangeland prescribed burns performed by federal and state land managers and also involves the tracking and response to wildfire smoke impacts.							Lauren Maghran	Brad Busby
	Make active prescribed burn data available to the public through publication of data to the internet through ADEQ's website.	Ongoing			Ongoing	Prescribed burn requests are analyzed daily (M-F) and info is made available to the public via the smoke.azdeq.gov website			
	Gather prescribed burn data	Ongoing			Ongoing				
	Evaluate smoke dispersion potential of prescribed fires and wildfires.	Ongoing			Ongoing				
	Issue permits for daily prescribed burn activity.	Ongoing			Ongoing				
	Assist in air quality monitoring needs related to smoke from prescribed burns and wildfires.	Ongoing			Ongoing	EBAM resources deployed at 6 semi-permanent prescribed fire / wildfire monitoring locations. Additional EBAM resources deployed to several wildfire incidents during the April - June period			
	Track Emission Reduction Techniques (ERTs)	Ongoing			Ongoing				
	Encourage regional coordination between burner for adherance to EPA's Regional Haze Rule.	Ongoing			Ongoing				

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3S02 Hazardous Waste	**Revitalize land and prevent contamination through improving efficiency and effectiveness in the management of ADEQ's hazardous waste permitting program.**							Sarah Samples	Terry Baer
	Final Decisions for the following PERMITS, CLOSURES and SIGNIFICANT PERMIT MODIFICATIONS. Additional significant permit projects will be added as necessary. Draft permits will be submitted to EPA for review prior to the start of the public comment period in accordance with the MOA between Arizona and EPA Region 9.	For each permitting project the following information will be provided in the COMMENTS block: date of application submittal, date of draft permit decision, date of public notice, date of public hearing, and the effective date of the permit. Any environmental justice issues will also be identified, as well as a description of any actions taken, such as the development of publications in Spanish or the use of translators at public meetings or hearings.							
	Conn-Selmer, Inc. AZT 000 612 135 Post-Closure Permit (Renewal)	6/30/2019	Final Decision	12/31/2018 06/19/2019	 Final Decision	Permit Application a renewal for Post-Closure and Corrective Action; Permit application submitted 12/24/2018 and is currently under review. Permit issued 6/19/19.			
	Clean Harbors Arizona AZD 049 318 009 Operating Permit (Renewal)	6/30/2020	Final Decision			Permit Application is a renewal for Container and Tank Storage; Application is due 12/28/2019			
	Nammo Talley AZD 020 132 502 Post Closure Permit (Initial)	TBD	Final Decision			Permit Application is for Post-Closure and Corrective Action was submitted 9/6/17. A NOD was sent on 11/14/17. A response to the NOD is expected in Q3 2019.			
	Nammo Talley AZD 020 132 502 Final Closure of "Thermal Treatment Unit" (GPRA Permits)	TBD	Approval			Final closure of the former-open burning facility (identified by Talley as the "Thermal Treatment Unit" or "TTU") STATUS: Closure plan was submitted 3/2/09. A draft Interim Response Action (IRA) work plan was submitted 4/4/16. Comments were provided on 2/21/17 (REF: HWP-EX2980). Closure plan has been incorporated into the Post-Closure and Corrective Action permit application currently under review.			
	Innovative Waste Utilization AZD 980 892 731 Final Closure (GPRA Permits)	TBD	Approval			Final closure of former container storage facility. Operating permit was revoked 02/26/03. Property owner has capped the site. A Declaration of Environmental Use Restriction (DEUR, a type of restrictive covenant), with Engineering Control Plan was submitted June 1, 2019, and is currently being processed.			
	Enter Permit Activity Events, permit modification, and financial assurance data into the RCRAInfo database.	Within 30 days of event	Update Monthly			ongoing.			
	Update the multi-year strategies for permitting and closure semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 3.5.2.1 is the multi-year permitting strategy. Attachment 3.5.2.2 is the multi-year closure strategy.	3.5.2.1 3.5.2.2		
	Update the financial assurance summary semi-annually	3/30/19 9/30/19 3/30/20 9/30/20	Updated with progress reports			Attachment 3.5.2.3 is the financial assurance status for hazardous waste management facilites.	3.5.2.3		

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
3.5.3 by Value Stream Name	**Compliance and Enforcement**					**0 FTE; $0 Output Total**			
3.5.4 by Value Stream Name	**Project Management**					**0.86 FTE; $167,856 Output Total**			
2S03 Air Improvement Planning	**Improve air quality by addressing the mobile source contirbuting to the majority of the emissions in the ozone non-attainment areas.**							Lauren Maghran	Joe Martini and Heather Colson
	Report the number of projects that have occurred and estimated ozone reduction.	6/30/19 6/30/20		7/26/2019	25%	Lawn and Garden, Idle Reduction			
3S03 Emergency Response Unit	**Revitalize land and prevent contamination through improving efficiency and effectiveness in administering and implementing emergency response actions.**							Sarah Samples	Terry Baer
	Attend 80% of the LEPC meetings.	6/30/2019 6/30/2020	# of Meetings Attended	7/30/2019	64.50%	Attended 20 of 31 Meetings. See Attached Spreadsheet	3.5.4.1		
	Develop and implement standard work to manage and distribute all Emergency Response Fund equipment and manage training requests not resulting from the HMEP grant.	6/30/2019 6/30/2020	# of Standard Work processes implemented.	7/30/2019	2	This is an ongoing effort.			
3.5.5 by Value Stream Name	**Data Management and Reporting**					**9.67 FTE; $1,462,666 Output Total**			
2S01 Monitoring & Assessment	**Improve air quality through continued support and improvement of the ambient air monitoring data collection system, AirVision, including maintenance and upgrades of the software, including providing near-real-time public access to data.**							Lauren Maghran	Brad Busby
	Make air quality data available to the public through publication of data to the internet through ADEQ's website.	Ongoing			Ongoing	All current NAAQS data available in near-real time on the web at https://airdata.azdeq.gov/AirVision/			
	Collected air pollution data accessible to the public		90% in near-real-time		Ongoing	Data made available to the public via			
	Develop data archive accessiblity for the public	6/30/2019	Phase One		Delayed	Not yet started. Behind schedule due to staffing issues in our Air Monitoring Unit and higher priority projects			
	Implement and improve data archive accessiblity for the public	6/30/2020	Phase Two		Delayed	Not yet started.			
	Develop additional tools for deploying data and forecasting information to the public (e.g., phone applications, website, etc.)	Ongoing			Completed	Consolidated "Air Arizona" phone application that includes Phoenix, Tucson, Yuma, and Nogales AQI forecasts as well as Hayden Pb Forecast and Globe/Miami and Hayden/Winkelman SO2 alerts completed and released to app stores July/Aug. 2019.			

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Vendor support for software implementation and bug resolution invoices paid within 30 days of receipt.	Ongoing			Ongoing				
	Expand upon Level One ADVP (Auto Data Validation Protocols)	Ongoing			Ongoing	We continue to investigate ways to bolster the use of Auto Data Validation Protocols including Air Vision flagging of data issues for			
	Vendor developed push-button uploads of data from AirVision to Air Quality Systems (AQS) invoices paid within 30 days of receipt.	Ongoing			Completed	"Node" Data Upload capability is functional and being used for Push Button Upload of AV data to AQS			
4S00 Water Qualtiy Division	**Provide for clean and safe water by facilitating the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate and improve the efficiency and effectiveness of water data capture, storage, access, retrievals, analysis, integration, and sharing.**							?	Randy Matas
	All water quality data generated in accordance with an EPA approved Quality Assurance Project Plan will be transmitted into the Agency's Storage and Retrieval (STORET) data warehouse using either the Water Quality Exchange (WQX) or WQXweb. Water quality data that are appropriate for STORET include physical, chemical, and biological sample results for water, sediment and fish tissue. The data include toxicity data, microbiological data, and the metrics and indices generated from biological and habitat data. WQX is the water data schema associated with the EPA, State and Tribal Exchange Network. More information about WQX, WQXweb, and the STORET warehouse, including tutorials, can be found at http://www.epa.gove/storet/wqx/								
	Continue to diagnose and address issues with the Water Quality Database and the upload of data to WQX.	6/30/2019 6/30/2020		6/30/2019		Continued			
	Conduct gap analysis to inform design and programming of the required systems to implement EPA's E-reporting rule, including E-DMR.	6/30/2019 6/30/2020		6/30/2019		Continued			
	Continue to diagnose and fix bugs in ADEQ Water Quality Compliance Database uploads to EPA Integrated Compliance Information System database.	6/30/2019 6/30/2020		6/30/2019		Continued			
	Continue to assist in the analysis and design of myDEQ.	6/30/2019 6/30/2020		6/30/2019		Continued			
3.5.6 by Value Stream Name	**Monitoring**					**2.74 FTE; $396,378 Output Total**			
2S01 Monitoring & Assessment	**Improve air quality by continuously evaluating and improving network design, site operations, data collection and processing, quality assurance and control, and reporting activities during the grant period.**							Lauren Maghran	Brad Busby
	From EPA funded, ADEQ operated monitors, achieve:	4/30/2019 4/30/2020							
	High data recovery		90% data recovery			Data Recovery above 97% for all months			
	High quality data		100% recovered data QA/QC'd			100% of data quality assured. All regulatory data QA/QC'd and average Data Completeness across our monitor network was > 95%			
👍	Timely reporting of data		100% on-time data certification			2018 AQS Data Certification was submitted on time and received certification from EPA. 2019 Data Certification is on track to be submitted to EPA on time.			
	From EPA funded, ADEQ operated monitors:								

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OUTPUT NUMBER by Value Stream Name	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS	Attachment	EPA Unit or Program Contact	ADEQ Program Contact
		DATE	OUTPUT	DATE	OUTPUT				
	Maintain and operate state-of-the-art monitoring equipment	Ongoing				New NOy and CO eqipment purchased			
	Monitor equipment refresh	At least every 7 years							
	5-Year Network Plan	7/1/2020	100% on-time delivery			Preliminary Work has begun on this.			
	Conduct Annual Network Review	7/1/2019 7/1/2020	100% on-time delivery			Submitted to EPA on time			
	Quality Assurance Project Plan Development:		100% approval rating on submissions to EPA			Agency QMP development work ongoing. Air Monitoring QAPPs in development or scheduled for development include:			
	TBD, as applicable	3/31/2019				H_2S - Approved by Internal QA Manager			
	TBD, as applicable	3/31/2019				PM_{10} - Submitted by March 2019 - Approved by EPA			
	TBD, as applicable	3/31/3119				Ozone - Submitted by March 2019 - Conditionally Approved by EPA			
	TBD, as applicable	7/31/2019				SO_2 - Submitted July 2019 - Awaiting Approval by EPA			
	TBD, as applicable	12/31/2019				CO - Planned to submit by Dec. 2019			
3.5.7 by Value Stream Name	**Outreach (includes Border and Public Participation)**					**0 FTE; $0 Output Total**			
3.5.8 by Value Stream Name	**Grantor-Provided Requirements**					**0 FTE; $0 Output Total**			
3.5	**Objective Total - FYTD**					**15.52 FTE; $2,321,136 Output Total**			
	PPG Only Total					**11.65 FTE; $1,782,033 Output Total**			

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EPA STRATEGIC GOALS:	**1. Core Mission: Deliver real results to provide Americans with clean air, land and water. 2. Cooperative Federalism: Rebalance the power between Washington and the states to create tangible environmental results for the American people. 3. Rule of Law and Process: Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.**
ADEQ STRATEGIC GOALS:	**1. Support environmentally responsible economic growth. 2. Enhance Arizona's unique environment. 3. Accelerate cleanups. 4. Recruit, train and retain top environmental talent.**

To accomplish the results for the first year of the Performance Partnership Grant for Fiscal Years 2019-2020, ADEQ invested 291,419 (140.11 FTE) labor hours, at a cost of $17,636,509, and $29,061,608 in non-personnel costs and $1,036,403 in Aid to Organizations.. This cost was shared as shown in the budget narrative with the PPG supporting 114,692 (55.14 FTE) labor hours at a cost of $7,058,261 and $1,897,891 in non-personnel costs and $632,000 in Aid to Organizations. In addition to $8,364,674 PPG State match, $187,114 will be contributed from non-PPG State match, $25,040,438 from additional State funding sources, $2,938,671 from other Intergovernmental Agreements, and $1,211,070 from other Federal sources. The total expenditure for State Fiscal Year 2019 is $47,734,520. The planned outcomes are delineated among eight Output Program Elements. A cost summary for each Output Program Element is included in the Comments Section of the Program Element Header. Costs are captured within the EPA Strategic Goal and/or Objective with which the results/performance measures are associated.

ADEQ Output Program Element	OUTPUT DESCRIPTION	PLANNED		ACTUAL		COMMENTS
		DATE	OUTPUT	DATE	OUTPUT	
1	**Planning, Program Development and Implementation**					**14.45 FTE; $2,347,058 Output Total**
2	**Permitting and Certifications**					**37.2 FTE; $5,652,635 Output Total**
3	**Compliance and Enforcement**					**37.56 FTE; $28,282,745 Output Total**
4	**Project Management**					**8.08 FTE; $2,495,799 Output Total**
5	**Data Management and Reporting**					**14.83 FTE; $2,264,933 Output Total**
6	**Monitoring**					**15.16 FTE; $3,511,392 Output Total**
7	**Outreach (includes Border and Public Participation)**					**4.89 FTE; $651,248 Output Total**
8	**Grantor-Provided Requirements**					**7.98 FTE; $2,528,710 Output Total**
	Work Plan Total - Fiscal Year 2019					**140.14 FTE; $47,734,520 Output Total**
	PPG FY 2019					**55.18 FTE; $9,588,151 Output Total**

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