2.1 Protect Human Health **DWR**

1.1 Drinking Water Plan Review

Continued

1.1

1	Report numbers of permitting decisions on drinking water plan review applications. POU/POE approvals are included in the ATC/AOC numbers.				DWSRF 10%
a	Approvals to Construct (ATC)	6/30/2018	6/30/2018	Drinking Water	
b	Approvals of Construction (AOC)	6/30/2018	6/30/2018	Drinking Water	

1.1

WQFF	1.50	85,930	37,809	38,445	162,184
VEI DWSRF Match	0.42	12,093	5,321	5,410	22,824
15% Set Aside	1.25	47,757	21,013	21,366	90,136
10% Set Aside	1.50	80,253	35,311	35,905	151,469
	4.67	**226,033**	**99,454**	**101,126**	**426,613**

ATC = Q1 61 + Q2 41 + Q3 39 + Q4 54 = 195
AOC = Q1 33+ Q2 32 + Q3 25 + Q4 40 = 130

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2.1 Protect Human Health **DWR**

1.2 Drinking Water Technical Assistance

Continue WIFA/DEQ partnership in 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.

1.2

1	Finalize Master Priority List (MPL) for system level technical assistance in conjunction with WIFA.	4/15/2018	Drinking Water	
2	Assign technical assistance projects to state approved contractors and oversee contractor performance. Apply system level TA, which may include fundable ranges outlined in WIFA's Intended Use Plan (IUP), within 30 days after SEs are approved by the state.	Semi-Annually	Drinking Water	
3	Report the decrease in missed monitoring violations for lead and copper	4/15/2018	Drinking Water	DWSRF 10%
4	Report the technical assistance provided to small PWS with a high score on the MPL	Semi-Annually	Drinking Water	DWSRF 10%
5	Report the the number of small PWSs in compliance	6/30/2018	Drinking Water	DWSRF 10%
6	If resources are available, ADEQ will attend the national Capacity Development and Operator Certification conference/workshop	6/30/2018	Drinking Water	
7	If resources are available, ADEQ will attend the EPA -ORD Small Systems Compliance Technology Workshop	6/30/2018	Drinking Water	
8	Report the number of small PWS which a water rate analysis/rate case was completed.	Semi-annually	Drinking Water	

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1.2 Drinking Water Technical Assistance

Continued

1.2

VEI	0.25	9,594	4,221	4,292		18,107
Contract: Oper Tech Assist (DSWRF 15%)					250,000	250,000
15% Set Aside	0.80	55,943	24,615	25,029		105,587
10% Set Aside	0.84	60,150	26,466	26,911		113,527
Contract: Oper Tech Assist (2% set aside)					200,160	200,160
	1.89	**125,687**	**55,302**	**56,232**	**450,160**	**687,381**

Task 2: Q1 & Q2: Completed Task Assignments: Michael's Ranch WUS (SE + asset mngmt); Eden Water Co (water loss); Cameron Trading Post Phase II (TTHM compliance); Antelope Union HS (OCCT); Roosevelt Resorts LLC (SE + asset mngmt); Ranch Water (RO unit to treat radium & arsenic); Sun Valley Farms Unit VI (engineering evaluation); Q3 & Q4: Jones Coop (POUs to treat for arsenic); Rim Trail DWID (turbidity compliance); Antelope Union HS (TTHM compliance); Bouse Worley (arsenic treatment design); Orange Gove Elem School (ATC for liquid chlorinator); Sun Leisure (ATC/AOC for uranium treatment); Kelvin-Simmons Coop (uranium treatment); Rim Trail #2 (evaluation of moving intake structure); Alma Ranchettes (nitrate treatment options)

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2.1 Protect Human Health **DRW**

1.3 Operator Certification

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.

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.

1.3

1	Conduct training workshops.	6/30/2018	6/30/2018	Drinking Water	PPG
2	Report certificates issued by class and grade:				PPG
a	Distribution Grade 1	6/30/2018	520	Drinking Water	
b	Distribution Grade 2	6/30/2018	307	Drinking Water	
c	Distribution Grade 3	6/30/2018	144	Drinking Water	
d	Distribution Grade 4	6/30/2018	172	Drinking Water	
e	Treatment Grade 1	6/30/2018	329	Drinking Water	
f	Treatment Grade 2	6/30/2018	191	Drinking Water	
g	Treatment Grade 3	6/30/2018	131	Drinking Water	
h	Treatment Grade 4	6/30/2018	159	Drinking Water	
3	Review and verify professional development hours for certification renewals.	6/30/2018	12/31/2017	Drinking Water	PPG
4	Conduct annual audit of approved third party proctors.	6/30/2018	8/31/2017	Drinking Water	PPG
5	FY18 Annual Report to EPA	9/15/2018		Drinking Water	PPG

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1.3 Operator Certification

Continued

1.3

VEI DWSRF Match	0.42	4,232	1,862	1,894		7,988
VEI	1.67	61,244	26,947	27,401		115,592
15% Set Aside	0.66	33,702	14,829	15,078		63,609
10% Set Aside	0.25	12,556	5,525	5,618		23,699
Contract: Oper Tech Assist (2% set aside)					100,000	100,000
	3.00	**111,734**	**49,163**	**49,991**	**100,000**	**310,888**

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2.1 Protect Human Health **DWR**

1.4 New and Existing System Capacity Development

Ensure 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.

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.

1.4

1	Report permitting decisions on elementary business plan applications.	Semi-Annual	Drinking Water	DWSRF 10%
2	Conduct ongoing training for PWS staff/certified operators which, at a minimum, will include the following PWS managers/owners topics:			DWSRF 10%
a	Monitoring Assistance Program	4	Drinking Water	
b	New PWS capacity development	4	Drinking Water	
d	Existing Safe Drinking Water rules	4	Drinking Water	
3	FY17 Governor's Report	9/15/2017	Drinking Water	DWSRF 10%
4				DWSRF 10%

1.4

VEI	0.25	3,198	1,407	1,431	6,036
15% Set Aside	0.80	10,604	4,666	4,744	20,014
10% Set Aside	0.36	30,988	13,635	13,864	58,487
	1.41	**44,790**	**19,708**	**20,039**	**84,537**

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2.1 Protect Human Health **DWR**

1.5 Drinking Water Monitoring Assistance Program (MAP)

Assist small public water systems serving fewer than 10,000 populations with improving system compliance by developing and implementing strategies to perform required monitoring. Provide technical 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.

1.5

1 Update monitoring schedules, including waivers and/or reduced monitoring assessments, for:

a	Groundwater PWSs		Semi-Annually		Drinking Water	
b	Surface water PWSs		Semi-Annually		Drinking Water	
1.5						
VEI DWSRF Match		0.25	9,594	4,221	4,292	18,107
VEI		1.59	26,372	11,604	11,799	49,775
PPG		0.75	32,934	14,491	14,735	62,160
MAP		1.00	48,663	21,412	21,772	91,847
15% Set Aside		0.97	47,149	20,746	21,095	88,990
10% Set Aside		2.85	19,328	8,504	8,647	36,479
Contract: Map Lab					750,000	750,000
		7.41	**184,040**	**80,978**	**82,340**	**750,000**	**1,097,358**

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1.6 Drinking Water Monitoring and Reporting

These activities will support all the monitoring and reporting requirements for public drinking water systems in accordance with state and federal drinking water rules.

1.6

1	Complete SDWIS reporting for OECA on actions taken on systems with new violations.	T = Quarterly	A =	Drinking Water	DWSRF 10%
2	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.	T = Semi-Annual	A =	Drinking Water	DWSRF 10%
3	Hold regular meetings and/or conference calls with EPA to discuss PWSs issues. Document agreement on discussed items and follow up actions.	T= Monthly (12)	A =	Drinking Water	DWSRF 10%
4	Complete GUDI determinations on new groundwater sources as they are developed. Report determinations.	T = Semi-Annual	A =	Drinking Water	DWSRF 10%
5	Review and respond to incremental primacy crosswalks comments as provided by EPA for PWS definition, Arsenic and Radionuclides	T = Within 45 days of receipt from EPA Region 9	A =	Drinking Water, Director	DWSRF 15%
6	Review the January 2017 SDWIS Data Quality Report and determine high priority data quality improvement areas to be addressed in FY18	7/1/2017		Drinking Water	DWSRF 15%
7	Conduct an oversight audit of Maricopa County delegated program	6/30/2018		Complaince /Drinking Water	DWSRF 15%
8	If resources are available attend the annual ASDWA Data Management Users Conference	Semi-Annually		Drinking Water	DWSRF 15%
9	Cooridinate with EPA to schedule an EPA PWSS program review	10/1/2016		Drinking Water	
10	Review EPA's PWSS program review report and incorporate recommendations into the FY17 workplan as appropriate	6/30/2017		Drinking Water	

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1.6 Drinking Water Monitoring and Reporting

Continued

1.6

WQFF	0.06	5,843	2,571	2,614	11,028
VEI DWSRF Match	0.83	36,928	16,248	16,521	69,697
VEI	4.17	166,418	73,224	74,455	314,097
PPG	2.37	34,790	15,308	15,565	65,663
15% Set Aside	0.80	17,366	7,641	7,769	32,776
10% Set Aside	6.14	210,247	92,509	94,064	396,820
	14.37	**471,592**	**207,501**	**210,988**	**890,081**

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2.1 Protect Human Health **DWR**

1.7 Source Water Protection

Identify 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).
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/susceptibility analysis.
c) GUDI/Suspect GUDI Evaluations/Hydrology reviews – Make sensitivity determinations for PWSs/sources through reviews of occurrence data, sanitary surveys, and hydrological characterizations.

1.7

1	Conduct Source Water Protection Program outreach events with individual PWSs.	6/30/2018	22	Drinking Water	DWSRF 15%
2	Delineate source water assessment areas for new PWSs/sources or reassess/update existing assessment areas. A)Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.				DWSRF 15%
a	Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.	6/30/2018	4	Drinking Water	
3	Conduct comprehensive inventories of potential sources of contamination.	6/30/2018	6	Drinking Water	DWSRF 15%
a	Collect locational data using GPS and/or GIS for potential sources of contamination (chemical use/storage) within ½ mile radius of a new or existing drinking water source.	6/30/2018	4	Drinking Water	
b	Identify any changes in trends to the previously identified, most prevalent, and most threatening potential sources of contamination.	6/30/2018		Drinking Water	

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1.7 Source Water Protection

Continued

1.7

4	Assist public water systems to identify protection strategies and to implement those strategies.				DWSRF 15%
a	Use new and updated SW assessments as part of a PWS's development of a SW Protection Plan	6/30/2018	4	Drinking Water	
5	Participate in regional source water protection calls/forums.	6/30/2018	1	Drinking Water	DWSRF 15%

1.7

WQFF	0.50	29,003	12,761	12,976	54,740
VEI DWSRF Match	0.67	23,571	10,371	10,546	44,488
VEI	0.25	14,502	6,381	6,488	27,371
PPG	1.00	58,558	25,766	26,199	110,523
15% Set Aside	0.96	64,039	28,177	28,651	120,867
10% Set Aside	0.04	2,668	1,174	1,194	5,036
	3.42	**192,341**	**84,630**	**86,054**	**363,025**

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2.1 Protect Human Health GWR

2.1 Groundwater Protection – Permits

Carry out 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.

2.1

1					DWSRF 15%
a	Construction Authorizations Strategy 2.b.i	Semi-Annual	136	Drinking Water	
b	Discharge Authorizations Strategy 2.b.i	Semi-Annual	75	Drinking Water	
2	Report number of permitting decisions on Certificates of Approval of Sanitary Facilities for Subdivisions applications. Strategy 3.a.i	Semi-Annual	53	Drinking Water	
3	Report on groundwater issues related to underground injection via the APP Permits with UIC Nexus.Table following Task 2.1.	Semi-Annual		Water Permits	DWSRF 10%
4	Report number of permitting decisions on APP and reclaimed water permit applications.	Semi-Annual	286	Water Permits	
5	Provide technical support to WQIG on grant applications & public education. Strategy 3.a.i	As needed		Water Permits	
6	Register existing and new dry wells (Class V injection wells). Report number registered.	Semi-Annual	1964	Water Permits	DWSRF 15%
7	Provide list of APP recharge applications in progress. (Refer to Recharge Facility Reviews Table following Task 2.1.)	Semi-Annual		Water Permits	DWSRF 15%
8	Review hydrologic reports, attend meetings and provide technical support on projects related to mitigation orders. (Refer to Mitigation Order Reviews Table following Task 2.1)	Semi-Annual		Water Permits/Compliance	DWSRF 15%

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2.1 Groundwater Protection – Permits

Continued

2.1

9	Manage the Pesticide Contamination Prevention Program			
a	Evaluate potential for agricultural use pesticide active ingredients to reach and/or impact groundwater. Report number processed.	Semi-Annual	36	Water Permits
b	Publish the annual Groundwater Protection List (GWPL)	Semi-Annual		Water Permits
10	Complete groundwater basin report for:			
a	Duncan Valley Basin	12/1/2017		Groundwater Protection
b	Bonita Creek Basin	3/1/2018		Groundwater Protection
c	Hassayama sub-Basin of the Phoenix AMA	6/1/2018		Groundwater Protection

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2.1 Groundwater Protection – Permits

Continued

2.1						
WQFF PPG Match	3.33	145,367	63,962	65,037		274,366
WQFF DWSRF Match	0.22	14,036	6,176	6,280		26,492
WQFF	19.00	878,797	386,671	393,174		1,658,642
PPG	0.25	13,152	5,787	5,884		24,823
DWSRF 15%	0.07	6,816	2,999	3,050		12,865
Contract: BADCT Non-Mining Manual (PPG)					297,000	297,000
Archival Services					35,280	35,280
	22.87	**1,058,168**	**465,595**	**473,425**	**332,280**	**2,329,468**

1 - APP PERMITS WITH UIC NEXUS

Excelcior Gunnison	The project is a proposed in situ (ISR) copper mine. The ISR method involves injecting low-pH barren solutions into the orebody using injection wells and extracting copper-bearing solutions at recovery wells that surround each injection well.
Florence Copper, Inc. Pilot Test Facility	FCI applied for a significant amendment to the Temporary Individual Permit. The purpose of the amendment is to address the Water Quality Appeals Board decision to uphold the Administrative Law Judge's decision on the Appeal of the permit.
BHP Miami	APP to include injection well field. Existing Individual APP Permit #101546.
Morton Salt	Glendale, AZ. Salt is mined from Luke Salt Body via solution mining wells. Existing Individual APP (Permit #100176).

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2.1 Groundwater Protection – Permits

Continued

2 - RECHARGE FACILITY REVIEWS

Lower Santa Cruz Replenishment Project	Renewal of existing recharge project.
Hassayampa Basin	Recharge project, with proposed monitoring changes.
Ohlberg Dam	Recharge project involving Gila River Indian Community.
Vulcan / JPAR project	A recharge project in Pima County with potential complications to the FMI Sierrita Mitigation Order.

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2.1 Protect Human Health **GWR**

2.1 Groundwater Protection – Permits

Continued

3 - MITIGATION ORDER REVIEWS

Sierrita Mitigation Order	Sulfate in groundwater from Freeport McMoRan Sierrita Mine
Bisbee Mitigation Order	Sulfate in groundwater from Freeport McMoRan Copper Queen Mine

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Carry out 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.

3.1

1 Report the number of permitting decisions on AZPDES individual permit applications.				
a.i	Report numbers processed. Issued	Semi-annual	30 granted 33 issued	Surface Water
a.ii	Report numbers processed. Modified	Semi-annual	0	Surface Water
a.iii	Report numbers processed. Denied	Semi-annual	0	Surface Water
a.iv	Report numbers processed. Suspended	Semi-annual	0	Surface Water
a.v	Report numbers processed. Withdrawn/Revoked	Semi-annual	2	Surface Water
a.vi	Report numbers processed. Backlogged	Semi-annual	1	Surface Water
b	Coordinate with EPA on variance approval process and strategy.	Semi-annual		Surface Water
2 Process permit renewals for all expiring AZPDES permits with a goal of 90% current to minimize backlog. (Refer to AZPDES Renewal Permits Table following Task 1.3.1.). 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.		>90%	See detail in Q4 text	Surface Water
3 Phase I MS4 Permits				
a	Review annual reports	1/31/2017	A=8	Surface Water
b	Continue outreach efforts	ongoing		Surface Water
4 Implement activities for MS4 Permittees				
a.i	Medium and Large MS4s Inspections:	0	A=1	Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

b.i	Small MS4s: Conduct 8 Small MS4 Inspections	T = 8	A=8	Surface Water
5	Reissue the following General Permits: Multi Sector GP, Construction GP, Pesticide GP, Infrequent Discharges GP, Minor Discharges GP, Biosolids Land Application GP			
a.i	Multi Sector General Permit - Prepare preliminary draft permit	8/31/2017		Surface Water
a.ii	Multi Sector General Permit - Stakeholder process	10/31/2017		Surface Water
a.iii	Multi Sector General Permit -Public notice draft permit in Arizona Administrative Register	1/26/2018		Surface Water
a.iv	Multi Sector General Permit - Prepare responses to public notice comments	2/26/2018		Surface Water
a.v	Multi Sector General Permit - Issue final permit	5/1/2018		Surface Water
b.i	Stormwwater Construction General Permit - Prepare preliminary draft permit	10/17/2017	Completed	Surface Water
b.ii	Stormwwater Construction General Permit - Stakeholder process	1/19/2018	Completed	Surface Water
b.iii	Stormwwater Construction General Permit - Public notice draft permit in Arizona Administrative Register	3/16/2018	Pending - working with EPA on owner/operator requirements	Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

b.iv	Stormwwater Construction General Permit - Prepare responses to public notice comments	4/16/2018	Pending - working with EPA on owner/operator requirements	Surface Water
b.v	Stormwwater Construction General Permit - Issue final permit	6/2/2018	Pending - working with EPA on owner/operator requirements	Surface Water
c	Pesticide General Permit - On hold pending federal outcome			Surface Water
d.i	Infrequent Discharges of Domestic Wastewater GP - Prepare preliminary draft permit	7/1/2017	9/1/2017	Surface Water
d.ii	Infrequent Discharges of Domestic Wastewater GP - Stakeholder process	8/1/2017	8/1/2017	Surface Water
d.iii	Infrequent Discharges of Domestic Wastewater GP - Public notice draft permit in Arizona Administrative Register	9/1/2017		Surface Water
d.v	Infrequent Discharges of Domestic Wastewater GP - Issue final permit	1/1/2018		Surface Water
e.i	Minor Discharges of Domestic Wastewater GP -Prepare preliminary draft permit	7/1/2017		Surface Water
e.ii	Minor Discharges of Domestic Wastewater GP - Stakeholder process	8/1/2017		Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

e.iii	Minor Discharges of Domestic Wastewater GP - Public notice draft permit in Arizona Administrative Register	9/1/2017		Surface Water
e.v	Minor Discharges of Domestic Wastewater GP - Issue final permit	1/1/2018		Surface Water
f.i	Biosolids Land Application GP - Prepare preliminary draft permit	4/1/2018		Surface Water
f.ii	Biosolids Land Application GP - Stakeholder process	5/1/2018		Surface Water
f.iii	Biosolids Land Application GP - Public notice draft permit in Arizona Administrative Register	6/1/2018		Surface Water
f.v	Biosolids Land Application GP - Issue final permit	1/1/2019		Surface Water
6	AZPDES General Permits - Review and process applications, annual reports, DMRs and SWPPPs. Report applications processed:			
a.i	Biosolids GP Notices of Intent	Semi-annual	1	Surface Water
a.ii	Biosolids GP Notices of Termination	Semi-annual	0	Surface Water
a.iii	Biosolids GP Total Number of Filers	Semi-annual	11	Surface Water
b.i	Infrequent discharge GP Notices of Intent	Semi-annual	0	Surface Water
b.ii	Infrequent discharge GP Notices of Termination	Semi-annual	0	Surface Water
b.iii	Infrequent discharge GP Total Number of Filers	Semi-annual	3	Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

c.i	Minor discharges GP Notices of Intent	Semi-annual	0	Surface Water
c.ii	Minor discharges GP Notices of Termination	Semi-annual	0	Surface Water
c.iii	Minor discharges GP Total Number of Filers	Semi-annual	3	Surface Water
d.i	Multi-Sector General Permits Notices of Intent	Semi-annual	A=58	Surface Water
d.ii	Multi-Sector General Permits Notices of Termination	Semi-annual	A=47	Surface Water
d.iii	Multi-Sector General Permits Certificate of No Exposure	Semi-annual	New = 38 Total = 536	Surface Water
d.iiii	Multi-Sector General Permits Total Number of Filers	Semi-annual	A=1,194	Surface Water
e.i	Stormwater Construction General Permits Notices of Intent	Semi-annual	A=1,960	Surface Water
e.ii	Stormwater Construction General Permits Notices of Termination	Semi-annual	A=1,176	Surface Water
e.iii	Stormwater Construction General Permits Waivers	Semi-annual	A=57	Surface Water
e.iiii	Stormwater Construction General Permits Total Number of Filers	Semi-annual	A = 3,395	Surface Water
f.i.(1)	DeMinimis General Permits Notices of Intent Single source	Semi-annual	A-=7	Surface Water
f.i.(2)	DeMinimis General Permits Notices of Intent Area wide	Semi-annual	A = 0	Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

f.ii	DeMinimis General Permits Notices of Termination	Semi-annual	A = 21	Surface Water
f.iii	DeMinimis General Permits Total Number of Filers	Semi-annual	A= 123	Surface Water
g.i	Pesticide General Permit Notices of Intent	Semi-annual	A = 1	Surface Water
g.ii	Pesticide General Permit Notices of Termination	Semi-annual	A = 5	Surface Water
g.iii	Pesticide General Permit Total Number of Filers	Semi-annual	A = 50	Surface Water

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1

VEI	12.74	480,502	211,421	214,977		906,900
Contract: MS4 Audits (PPG)					75,000	75,000
Contract: MS4 Audits (WQFF)					30,000	30,000
	12.74	**480,502**	**211,421**	**214,977**	**105,000**	**1,011,900**

Agua Caliente Individual permit was teminated - The COE determined Agua Caliente Lake not to be a WOTUS.
Show Low Individual permit was terminated - The Army COE determined the Show Low lakes not to be a WOTUS.
For individual permits - the average number of days to grant permit was 230 days. The permits unit also issued 3 backlogged permits that were on average 1200 days backlogged.
The Resolution Copper Mine individual AZPDES permit was appealed and the hearing took place in FY18. As of the end of the FY no decision has been made by the Administrative Law Judge. THe appelants are Arizona Mining Reform Coalition and the San Carlos Apache Tribe. The appelants are have sued citing the mine should be considered a new sources and thus should not be allowed to discharge any copper into Queen Creek, which is impaired for copper. ADEQ has maintained the mine is an existing source.

ED PASTOR KINO ENVIRONMENTAL RESTORATION PROJECT	AZ0025291	Maj	Issued		
Tempe Town Lake ** carryover	AZ0024490	Maj	New Application Pending	NA	NA
USDOI NPS - GRAND CANYON NP - SOUTH RIM WWTP	AZ0022152	Min	Issued		
ALPINE SANITARY DISTRICT - WWTS	AZ0026174	Min	Issued		
BISON RANCH WWTP	AZ0026697	Min	Issued		
CITY OF EL MIRAGE - WWTP	AZ0023272	Maj	Issued		
AG&F - CANYON CREEK FISH HATCHERY	AZ0021229		Issued		

3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

HOUSTON CREEK LANDING - WWTP		Min	Granted
JANUARY ADIT (NORTON MINE)	AZ0026387	Maj	Issued
JOMAX WRF	AZ0024945	Maj	Issued
SOFTWINDS MOBILE HOME PARK WASTEWATER TREATMENT PLANT	AZ0026051	Min	Issued
MILLER ROAD TREATMENT FACILITY	AZ0024139	Min	Issued
PAINTED MESA WATER RECLAMATION FACILITY	AZ0025542	Maj	Issued
SANTA CRUZ RIVER HERITAGE PROJECT	AZ0026166	Maj	Issued
SHANNON ROAD/EL CAMINO DEL CERRO	AZ0026093	Min	Issued
TOWN OF QUARTZSITE - WWTP	AZ0023752	Min	Issued
USDOI NPS - GRAND CANYON NP - NORTH RIM WWTP	AZ0110426	Min	Issued
VALLE AIRPARK WRF	AZ0024015	Min	Issued
PIMA COUNTY - TRES RIOS WWRF	AZ0020001	Maj	Issued
MAIN STREET WATER TREATMENT PLANT	AZ0025411	Min	Issued

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

CITY OF BISBEE - SAN JOSE WWTP	AZ0026077	Maj	Issued		
USAF - LUKE AFB - LITCHFIELD PARK WWTP	AZ0110221	Maj	Issued	1/24/2018	7/28/2017
ENTRADA DEL ORO	AZ0024899	Min	Issued	1/24/2018	7/28/2017
TRILLIUM WEST WWTP	AZ0025518	Maj	Issued	1/24/2018	7/28/2017
CITY OF YUMA - FIGUEROA AVE WPCF	AZ0020443	Maj	Renewal In Process	2/21/2018	8/25/2017
NIBW GAC TREATMENT FACILITY	AZ0026123	Min	Issued	3/25/2018	9/26/2017
FIVE RIVERS CATTLE FEEDING	AZ0026115	Min	Issued	4/8/2018	10/10/2017
AG&F - TONTO CREEK FISH HATCHERY	AZ0021211	Min	Issued	6/12/2018	12/14/2017
CITY OF TUCSON - LAKESIDE PARK LAKE	AZ0024201	Min	Issued	6/16/2018	12/18/2017
SUN VALLEY SOUTH WRP	AZ0025691	Maj	Issued	6/23/2018	12/25/2017
PALO VERDE ROAD WWTP	AZ0025500	Min	Issued	6/23/2018	12/25/2017
SADDLEBROOKE RANCH WATER RECLAMATION PLANT	AZ0024775	Min	Issued	7/10/2018	1/11/2018
SUPERIOR SANITARY DISTRICT - WWTP	AZ0021199	Min	Issued	7/10/2018	1/11/2018
AGUA NUEVA WRF	AZ0026107	Maj	Issued	7/10/2018	1/11/2018

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3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

CAMELBACK ROAD & CENTRAL AVENUE WQARF AREA	AZ0024848	Min	Issued	7/10/2018	1/11/2018
ARIZONA CITY SANITARY DISTRICT - WWTP	AZ0024244	Maj	Issued	7/25/2018	1/26/2018
ORACLE SANITARY DISTRICT WWTP	AZ0020681	Min	Granted	9/12/2018	3/16/2018
SRP - KYRENE GENERATING STATION K-7	AZ0024791	Maj	Granted	9/23/2018	3/27/2018
CITY OF PHOENIX - RIO SALADO HABITAT RESTORATION	AZ0024554	Maj	Granted	9/30/2018	4/3/2018
JRC GOODYEAR	AZ0025747	Min	Renewal In Process	10/3/2018	4/6/2018
PILOT TRAVEL CENTER #328	AZ0025658	Min	Renewal In Process	12/3/2018	6/6/2018

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.2 CWA 401 Certification Review of Federal Permits and Licenses

Conduct CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards.

3.2

1	Report certification decisions on State 401 applications. (Refer to 401 Certification Actions Table following Task 3.2) Report certification decisions.				PPG
a	Regional CWA 404 general permits	Semi-Annual	A = 3	Surface Water	
b	Individual CWA 404 permits	Semi-Annual	A = 6	Surface Water	
c	Nationwide CWA 404 permits	Semi-Annual	A = 12	Surface Water	
d	Other federal permit or licenses applications	Semi-Annual	A = 0	Surface Water	

3.2

WQFF	1.00	17,518	7,708	7,838	33,064
PPG	0.34	5,428	2,388	2,428	10,244
	1.34	**22,946**	**10,096**	**10,266**	**43,308**

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.3 Regional Water Quality Management Planning

Carry out state and federal requirements of regional Water Quality Management Planning Program utiltying the 604b grant money. The state will shift to start looking for innovative planning projects within the state. (CWA 208 Program).

3.3

1	Process WQM Plan Amendments/Updates. Report status of amendments received. (Refer to Regional WQM Planning Activity table following Task 3.3)	Semi-Annual	Surface Water	604(b)16
2	Process 208 conformance determinations. Report determinations. (Refer to Regional WQM Planning Activity table following Task 3.3)	Semi-Annual	Surface Water	604(b)16
3	Coordinate and assist Regional organization in their planning efforts, including evaluating the necessity for a revised State Water Quality Management Plan		Surface Water	PPG

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.3 Regional Water Quality Management Planning

Continued

3.3						
PPG	1.00	15,417	6,783	6,898		29,098
Aid to Orgs: Council of Gov't (604(b) 16)					140,000	140,000
	1.00	**15,417**	**6,783**	**6,898**	**140,000**	**169,098**

Mid year -
In the FY 17-18 funding cycle, 604b funds were awarded to three water quality projects; specifically with a stormwater focus in Maricopa and Pima Counties. They are as follows: to produce a multi-city guidance guide on LID and stormwater projects in Maricopa County, to the City of Goodyear to address illicit discharges to the stormwater system and a Pima Association of Government's stormwater project on the impaired section of the Santa Cruz River in Pima County. The projects are in implementation with the first project reports submitted for the first phase of the individual grants.
End of Year
Central Association of Governments (CAG) has been the lead area for growth with four amendments. None as yet have been approved, but are in various phases of approval. Pima County (PAG) has made great strides on their 208 Plan update, more streamlining of approval processes, GIS mapping and information accessible on the PAG website for consultants and the public in general.
Several WQMWG meetings have been held this year to discuss on-going projects in the respective areas; if any. A primary topic of discussion at the meetings has been the contract level of funding in FY20 and the possibility of a total competitive grant process.
Three 604(b) grants were awarded to the following: City of Scottsdale, to Pima Association of Governments (PAG) and the City of Goodyear. Scottsdale prepared a guidance manual focused on stormwater management with green infrastructure, LID types and other approaches. PAG focused the first phase of a stormwater program on the Canada del Oro Wash area, an impaired section of the Santa Cruz River. The City of Goodyear, although the project was uncompleted, began a process to coordinate across departments to work on prevention of illicit discharges and stormwater management for compliance with the MS4 permit.
FY18 DPA contracts were concluded with barely a few dollars in remainder from all expenditures.
208 Consistency Reviews
The Cliffs On-site Subdivision5/7/18
Community Bridges On-site System5/8/18
Kadampa Meditation Center APP5/14/18
Rio Vista On-site Subdivision6/14/18
Sierra Tucson Septic System Expansion6/21/18
There are several amendments in process:CAG Eaglecrest in conjunction with PAG
CAG Northern Gila County Sanitary District
CAG Queen Creek DMA and Service Area Expansion
CAG Tri-City Sanitary District

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.3 Regional Water Quality Management Planning

Continued

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.4 Surface Water Program Development

Perform support activities for surface water program including development of program rules, procedures, and policies.

3.4

1	2017/2018 Triennial Review			PPG
a	Complete internal draft Strategy 1.a.ii	1/26/2018	Surface Water	
b	File proposed NFRM with Secretary of State Strategy 1.a.ii	6/29/2018	Surface Water	
2	Prepare draft narrative lakes nutrient criteria and implementation procedures for public comment. Develop implementation plan by 9/30/2017. Pursue on dual track for reviews by USFWS and a peer review. Strategy 1.a.ii	1/31/2018	Surface Water	NPS in PPG
3	Draft Impaired Waters Identification Rule update for internal review. Pending approval from Governor's Office.	12/31/2017	Surface Water	PPG

3.4

WQFF	0.59	8,533	3,755	3,818	16,106
PPG	0.30	7,585	3,337	3,394	14,316
NPS WQFF	0.20	6,893	3,033	3,084	13,010
NPS PPG	2.75	26,898	11,835	12,034	50,767
	3.84	**49,909**	**21,960**	**22,330**	**94,199**

3.4.1 - 2018 Triennial Review internal draft was completed August 31, 2018 and released for informal public comment. Revised target date for proposed NPRM to the SOS is December 2018. Target date for rules becoming effective is July 2019.
3.4.2 - Resource limitations have stalled the development of the proposed lakes nutirent criteria. Funding to complete the response to EPA review comments should become available early CY2019.
3.4.3 - No progress

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3.5 Ambient Monitoring Program

Conduct 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.

3.5

1 Conduct ambient stream, lake, fish, and intermittent stream monitoring according to the FY18 sample plan throughout Arizona.	6/30/2018	6/30/2018	Surface Water	NPS in PPG, PPG, 106 Mon - 6
Ambient sampling				
Strategy 1.a.i				
2 Send FY18 SAP to EPA.	8/31/2017	6/14/2017	Surface Water	NPS in PPG
Strategy 1.a.i				
3 Prepare FY19 ambient monitoring plan	6/30/2018	6/30/2018	Surface Water	
Strategy 1.a.i				

3.5

WQARF	0.67	19,938	8,773	8,920		37,631
PPG Match	0.25	11,534	5,075	5,160		21,769
PPG	3.16	76,200	33,528	34,092		143,820
NPS PPG Match	1.91	69,049	30,382	30,893		130,324
NPS PPG	4.35	98,562	43,367	44,097		186,026
Contract: Lake Havasu Monitoring (PPG)					8,000	8,000
Contract: Lab					5,000	5,000
106	1.00	20,756	9,133	9,286		39,175
Contract: USGS (PPG)					95,000	95,000
Contract: Ambient Sampling (PPG)					203,700	203,700
	11.34	**296,039**	**130,258**	**132,448**	**311,700**	**870,445**

All tasks identified in 3.5.1 were completed. FY18 Sampling and Analysis Plan was sent to EPA June 14, 2018. An additional 70 sites were sampled for nutrient data supporting the N-STEPS program.

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.6 106 Monitoring

Conduct monitoring Initiative (MI) program for implementation of Arizona approved comprehensive monitoring strategy.

3.6

1	Conduct nutrient monitoring for Rivers and Streams per FY18 sampling and analysis plan. Strategy 1.a.i; Strategy 1.b.ii	Quarterly		Surface Water	NPS in PPG, 106 Mon - 6
2	Intermittent Streams Complete Report on Condition of Intermittent Streams Strategy 1.a.i	6/30/2018		Surface Water	NPS in PPG, PPG, 106 Mon - 6
3	Design probabilistic fish consumption advisory survey Select sample frame and indicators and incorporate into FY18 sampling and analysis plan	8/31/2017	6/14/2017	Surface Water	NPS in PPG
4	Sample 15 sites selected by EPA for the National Lake Survey	9/30/2017	9/30/2017	Surface Water	106 Mon - 6
5	FY18 Summary Summarize the number of sites sampled for FY18	8/30/2018	8/28/2018	Surface Water	106 Mon - 5

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3.6 106 Monitoring

Continued

3.6						
WQFF	0.33	5,439	2,393	2,434		10,266
WQARF PPG Match	1.25	11,699	5,147	5,234		22,080
PPG	4.07	75,254	33,112	33,669		142,035
NPS WQARF PPG Match	0.40	10,728	4,720	4,800		20,248
NPS PPG	1.75	14,733	6,482	6,592		27,807
Contract: Lab					5,000	5,000
Contract: Fish Lab Analysis					20,000	20,000
106	2.09	71,400	31,416	31,945		134,761
	9.89	**189,253**	**83,270**	**84,674**	**25,000**	**382,197**

In FY18, 566 lake samples were collected from 19 lake sites. 464 stream samples were collected from 212 stream sites. A total of 28,852 test result records were collected and approved. ADEQ staff collected 75% of the data. Contractors and volunteers collected the other 25%. Only data that is reviewed and approved is sent to EPA.

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.7 305(b) Water Quality Assessment Report and 303(d) List

Develop Integrated Report and list of impaired waters.

3.7

1 Complete external call for data using web-based portal through the new water quality database						NPS in PPG, PPG
a Gather data for the 2018 Assessment Strategy 1.a.i		7/15/2017	5/25/2017	Surface Water		
3.7						
WQFF		10,199	4,487	4,563		19,249
PPG	2.75	74,826	32,924	33,477		141,227
NPS PPG	0.60	5,049	2,221	2,259		9,529
IT Project: Assessment Calculator					260,000	260,000
106	1.00	20,756	9,133	9,286		39,175
	4.35	**110,830**	**48,765**	**49,585**	**260,000**	**469,180**

2018 303(d) list report was sent to EPA August 20, 2018.

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3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Plan and manage a Nonpoint Source (NPS) program, including the development of watershed planning documents (TMDLs, WQIPs and EPA-approved alternative plans) to improve surface water quality. Upper San Pedro and Upper Santa Cruz Clean Water Plans will be carried into FY18.

3.8

1	Complete TMDLs for Queen Creek (6)		Surface Water	NPS in PPG, PPG
	See Special Table 3.8/3.9			
	Strategy 1.c.i			
2	Complete Upper Santa Cruz Clean Water Plan (4)	5/31/2018	Surface Water	NPS in PPG
	See Special Table 3.8/3.9			
	Strategy 1.c.i			
3	Data collection for San Pedro CWP	2/1/2018	Surface Water	NPS in PPG
	See Special Table 3.8/3.9			
	Strategy 1.c.i			
4	Baseline monitoring for Davidson Canyon	12/31/2017	Surface Water	NPS in PPG
	See Special Table 3.8/3.9			
	Strategy 1.c.i			
6	Citizen Science Program			
a	Complete handbook and training documents	9/8/2017	Surface Water	
	Strategy 1.b.i; Strategy 1.b.ii			
b	Complete first volunteer training	Ongoing	Surface Water	
7	NPS Program Planning			
a	Host multi-agency nonpoint source prioritization meeting	12/31/2017	Surface Water	
	Objective 3.c			
b	Conduct meeting with NRCS to plan FY18 NWQI activities	7/15/2017	Surface Water	
	Strategy 3.b.ii; Strategy 4.a.i			
8	WQIG Cycle Development			

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3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Continued

3.8

a	Host 2 project planning events for potential grantees Strategy 3.b.ii; Strategy 3.c.i	6/30/2018	Surface Water
b	Release WQIG Cycle RFGA	9/15/2017	Surface Water
c	Award Preservation Cycle 1 project grants	12/1/2017	Surface Water
d	Release Preservation Grant Cycle 2 RFGA (pending available funding)	3/30/2018	Surface Water
9	Pinto Creek TMDLs	6/30/2018	
	Finalize Pinto Creek TMDL Strategy 1.c.i		

3.8

WQFF	0.33	3,400	1,496	1,521		6,417
WQARF PPG Match	1.00	56,439	24,833	25,251		106,523
PPG	4.50	117,297	51,611	52,479		221,387
NPS WQARF PPG Match	0.50	3,893	1,713	1,742		7,348
NPS PPG	2.80	68,546	30,160	30,668		129,374
Contract: TMDL Sampling (NPS in PPG)					60,000	60,000
Citzen Scientist					28,175	28,175
Contract: TMDL Sampling (PPG)					27,300	27,300
	9.13	**249,575**	**109,813**	**111,661**	**115,475**	**586,524**

ADEQ has fallen behind on some of the current TMDLs. The Upper Santa Cruz Clean Water Plan (CWP) should be finalized by the end of December 2018. EPA has reviewed informally and ADEQ is prepared to move on to the next steps of public meetings/public comment. Queen Creek TMDL had some questions about the validity of the model used, and at this time ADEQ does not have the funding to re-run the model at this time. Pinto Creek TMDL is fairly low priority for ADEQ but will be completed in FY19. The Arizona Water Watch (AWW) Citizen Science program has been wildly successful with presentations at multiple conferences

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2.2 Protect and Restore Watersheds and Aquatic Ecosystems **SWR**

3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Implement 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. Closing out Hillside Mine NPS grants, reducing ULO from 56% to 35% from last year to this year.

3.9

	Arizona Conservation Partnership participation	6/30/2018	Surface Water	
	Participate and coordinate with the Arizona Conservation Partnership (replacing CRM)			
1	Oversee ongoing implementation projects and technical support contracts to ensure timely completion.	Semi Annual Status Table Update	Surface Water	NPS in PPG
	See Special Table 3.8/3.9			
	Objective 2.a; Strategy 3.b.iii			
2	Effectiveness monitoring and BMP evaluations.			NPS in PPG
a	Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY18.	7/30/2017	Surface Water	
	Strategy 4.a.i			
b	Implement FY18 Effectiveness Monitoring & Evaluation Plan	Semi Annual Status Table Update	Surface Water	
	Strategy 4.a.i			
3	Implement general nonpoint source education, outreach, and technical support activities as requested.			NPS in PPG
a	Statewide education and outreach.	Semi Annual Status Table Update	Surface Water	
	Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b			
4	Conduct monthly update calls with EPA Region 9.	Monthly	Surface Water	NPS in PPG
	Objective 4.b			
5	Enter load reduction data into GRTS in accordance with EPA requirements and deadlines and ensure mandated elements are up to date for existing projects.	2/15/2018	Surface Water	

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9

	Objective 4.b		
6	Draft and submit two WQ-10 and/or SP-12 reports to EPA.	6/30/2018	Surface Water
	Objective 4.b		
7	NWQI reporting	Semi Annual Status Table Update	Surface Water
	Objective 4.b		
8	Report on annual progress of implementing the 2015 - 2019 NPS 5-year plan		
a	Submit draft annual report to EPA for review and comment	7/31/2017	Surface Water
	Objective 4.b		
b	Submit final annual report to EPA	9/30/2017	Surface Water
	Objective 4.b		
9	2020-2024 NPS 5-year plan	1/31/2018	Surface Water
	Begin planning and discussing with EPA elements of NPS 5-year plan		

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9						
WQARF PPG Match	0.50	27,888	12,271	12,477		52,636
WQARF	0.50	6,970	3,067	3,118		13,155
PPG	3.50	75,953	33,419	33,981		143,353
NPS WQARF PPG Match	1.00	61,828	27,204	27,662		116,694
NPS PPG	3.80	86,890	38,232	38,875		163,997
Aid to Orgs: NPS Projects (NPS Proj 28)					1,365,000	1,365,000
	9.30	**259,529**	**114,193**	**116,113**	**1,365,000**	**1,854,835**

Overall, ADEQ is on track with NPS project management and soliciting and awarding grant projects. FY18 was the first year that the Watershed Preservation Grants (WPG) were included in a grant cycle (GC 20) and we awarded 3 WPGs. BMP evaluations continued in FY18, but the approach will change in FY19 as ADEQ moves toward the targeted watershed approach. This approach will target 3 priority areas (Verde River-Oak Creek, Bradshaws, and Upper San Pedro River) with instense resource and time investment to identify, fund/facilitate, track projects and improvements to ultimately reach delists of waterbodies.

3.9	Pinto Creek Effectiveness Monitoring	Effectiveness Monitoring
	WQD PM; Data summary	Dissolved copper
	1) Implement revised SAP (ongoing) 2) Develop data summary (11/10/2017)	
	20-002 Sierra Ancha Trail Restoration	NPS Implementation
	Watershed Preservation Grant	Sediment
	Closes 10/31/2019	
	20-003 Youth led Erosion and E. coli Mitigation in Nogales Wash and Santa Cruz Watersheds	NPS Implementation
	WQIG	E. coli, sediment
	Closes 10/31/2019	

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

	20-004 Sediment Discharge Reduction through Brush Management in the Altar Valley	NPS Implementation
	Watershed Preservation Grant	Sediment, E. coli
	Closes 10/31/2019	
	20-005 Carrol Canyon Erosion Control to Protect Oak Creek	NPS Implementation
	WQIG	
	Closes 10/31/2019	
	20-006 Buckhorn Water Enhancements Projects	NPS Implementation
	Watershed Preservation Grant	Sediment, E. coli
	Closes 10/31/2019	
	20-007 Rogers/Lee Ranch Streambank Treatment for Sediment Reduction	NPS Implementation
	WQIG	Sediment
	Closes 10/31/2019	
	20-008 Knight Ranch Sediment Basins Rehabilitation	NPS Implementation
	WQIG	Sediment
	Closes 10/31/2019	
3.8	Queen Creek TMDL	Traditional TMDL
	Plan Completion	Dissolved Copper
	1)Submit to EPA for approval	
	Upper Santa Cruz Clean Water Plan	WQIP (combined)
	Plan completion	E. coli
	1)Draft CWP (5/31/2018) 2) Release for public comment (6/30/2018) 3) Submit to EPA for approval (1/31/2019)	

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

	Upper San Pedro Clean Water Plan	WQIP (combined)
	Plan Development	E. coli, dissolved copper
	1) Implement SAP (ongoing) 2) Draft CWP (5/31/2018)	
	Davidson Canyon	Baseline monitoring
	Data summary	
	1) Implement SAP (ongoing) 2) Develop data summary (12/15/2017)	
3.9	San Pedro Effectiveness Monitoring and BMP Evaluations	Effectiveness monitoring; BMP evaluation
	WQIG; NWQI; WQD PM	E. coli
	1) Implement SAP (ongoing)	
	Big Bug Effectiveness Monitoring	Effectiveness Monitoring
	WQD PM	Lead, copper, zinc
	1) Develop SAP (12/15/2017) 2) Install equipment (1/15/2018) 3) Implement SAP (ongoing)	
	20-001 Miller Creek Bathroom	NPS Implementation
	WQIG	E. coli
	Closes 10/31/2019	
	18-006 - Erosion Control on Babocomari	NPS Implementation
	WQIG	E. coli; sediment
	Closes 5/31/2018	
	19-003 Wetland Restoration on O'Donnell Creek	NPS Implementation
	WQIG	E. coli
	Closes 4/30/2019	

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

19-002 - Menges Ranch Water System Maintenance Project	NPS Implementation
WQIG	E. coli
Closes 4/30/2019	
19-001 - Little Colorado River Crossing	NPS Implementation
WQIG	Sediment
Closes 4/30/2019	
Volunteer Water Quality Monitoring (UA contract)	NPS Implementation
WQIG	Various
Closes 5/31/2018	
Master Watershed Stewards	NPS Implementation
Plan development; BMP evaluation	Various
Closes 5/31/2019	
Mule Gulch Effectiveness monitoring	Effectiveness Monitoring
WQD PM; Data summary	Dissolved copper
1) Implement SAP (ongoing) 2) Develop data summary (11/10/2017)	
18-007 - Running N Bar	NPS Implementation
WQIG	E. coli; sediment
Closes 12/31/2017 was extended to May 31, 2018.	
Boulder Creek Effectiveness Monitoring	Effectiveness Monitoring; BMP Evaluation
WQD PM	Az, Cu, Zn
1) Quarterly sampling (ongoing) 2) Update data summary (11/10/2017)	

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3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

18-005 - Oak Creek Erosion on Schnebly Hill	NPS Implementation
WQIG	E. coli; sediment
Closes 12/31/2017	
18-004 - Erosion and E. coli mitigation on Sands Ranch	NPS Implementation
WQIG	E. coli; sediment
Closes 4/31/2019	
18-002 - San Francisco/ Blue River E. coli Reduction	NPS Implementation
WQIG	E. coli; sediment
Closes 5/31/2019	
18-001 - Horseshoe Draw	NPS Implementation
WQIG	E. coli; sediment
Closes 9/30/2017	
Apache Natural Resource Conservation District	NPS Implementation
WQIG	Sediment
Closes 4/30/2018	
Future WQIG projects implementing BMP's to reduce NPS pollution	NPS Implementation
WQIG	E. coli, others
AZ Game and Fish	NPS Implementation
WQIG	Various
Closes 5/31/2018	

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2.1 Protect Human Health **GWR, DWR**

4.1 Drinking Water Compliance and Enforcement

Conduct 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 statutes and rules. Utilize community liaisons to track progress towards 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.

4.1

1	Report the number of Drinking water sanitary surveys conducted, prioritized by date of last survey.				DWSRF 15%, DWSRF 10%
a	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.	12/31/2017	12/31/2017	Compliance	
b	Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	12/31/2017	12/31/2017	Compliance	
c	Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	12/31/2017	12/31/2017	Compliance	
d	Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	12/31/2017	27	Compliance	
2	Report the total number of complaints investigated related to drinking water.	12/31/2017	42	Compliance	PPG
3	Report the total number of complaints/non-routine drinking water inspections.	12/31/2017	14	Compliance	PPG
4	Report the total number of informal Drinking Water Enforcement Actions.				PPG
a.	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued	12/31/2017	12/31/2017	Compliance	

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4.1 Drinking Water Compliance and Enforcement

Continued

4.1

	b. Number of NOC/NOV Closures	12/31/2017	12/31/2017	Compliance	
5	Report the total number of formal Drinking Water Enforcement Actions.				PPG
	a. Number of Administrative Orders issued.	12/31/2017	12/31/2017	Compliance	
	b. Number of Administrative Orders terminated	12/31/2017	12/31/2017	Compliance	
6	Evaluate and respond to EPA's July 2015 Enforcement Tracking Tool (ETT) Report.				PPG, DWSRF 10%
	a. Address all water systems with a score of 11 or higher.	7/2/2018	ETT conference calls held 7/13/17; 9/27/2017; 12/18/17; and 3/8/18	Compliance	
	b. During the quarterly conference calls between ADEQ and EPA Enforcement Division, discuss and identify EPA/State workshare (i.e. list of specific systems) for addressing public water systems with a score of 11 or higher.	Quarterly	ETT conference calls held 7/13/17; 9/27/2017; 12/18/17; and 3/8/18	Compliance	
7	Hold monthly meetings and/or conference calls with EPA to discuss drinking water enforcement. Document agreement on discussed items and follow up actions	Monthly	Monthly Calls held	Compliance	

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4.1 Drinking Water Compliance and Enforcement

Continued

4.1						
WQFF	3.42	70,115	30,851	31,370		132,336
VEI	1.85	58,936	25,932	26,368		111,236
PPG	1.17	37,972	16,708	16,989		71,669
Contract: DW Rules Update					30,000	30,000
15% Set Aside	3.76	183,703	80,829	82,189		346,721
10% Set Aside	5.54	203,788	89,667	91,175		384,630
	15.74	**554,514**	**243,987**	**248,091**	**30,000**	**1,076,592**

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2.1 Protect Human Health **GWR, DWR**

4.2 Groundwater Compliance and Enforcement

Implement 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 community liaisons to track progress towards meeting compliance schedules.

4.2

1 Report the number of inspections of facilities possessing the following permit types according to risk-based inspection criteria.				PPG, DWSRF 15%, DWSRF 10%
a. Individual APP; General APP/GQPP/NOD/Reuse	TBD	117	Compliance	
2 Report the total number of Informal Groundwater Enforcement Actions				PPG
a. Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual	22	Compliance	
b. Number of NOC/NOV Closures issued	Semi-Annual	13	Compliance	
3 Report the total number of Formal Groundwater Enforcement Actions.				PPG
a. Number of Administrative Orders issued.	Semi-Annual	6	Compliance	
b. Number of Administrative Orders terminated	Semi-Annual	3	Compliance	

4.2

WQFF-DWSRF 10% [Match]	0.75	30,943	13,615	13,844	58,402
WQFF	13.12	280,883	123,588	125,667	530,138
WQARF PPG Match	1.00	3,778	1,662	1,690	7,130
	14.87	**315,604**	**138,865**	**141,201**	**595,670**

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4.3 Surface Water Compliance and Enforcement

Conduct 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). 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.

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[1] 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.

4.3

1	Conduct the targeted number of AZPDES point source inspections:				PPG
a	Perform scheduled compliance inspections of all major facilities that are operational every other year.	24	24	Surface Water	
b	Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	6	8	Surface Water	

4.3 Surface Water Compliance and Enforcement

Continued

4.3

2	Conduct the targeted number of inspections of stormwater facilities subject to general permitting requirements				PPG
a	Industrial (multi-sector general permit, MSGP)	75	76	Surface Water	
b.i.	Phase 1 (facilities larger than 5 acres)	40	36	Surface Water	
b.ii.	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.	15	19	Surface Water	
c	Develop and implement outreach to increase permitting			Surface Water	
3	Conduct the targeted number of inspections of CAFO/AFO facilities (permitted and unpermitted).				PPG
a	Inspect all AZPDES permitted CAFOs on a five-year cycle.	0	1	Surface Water	
b	Inspect unpemitted CAFOs, as needed		0	Surface Water	
4	Conduct the targeted number of Biosolids Inspections.				
a.	Wastewater treatment plants that land apply or surface dispose biosolids once every five years (20/5).	5	12	Surface Water	
b	Large commercial applications annually.	4	4	Surface Water	
c	Small commercial applicators at least every other year; applicators applying to their own fields at least twice every five years.	2	2	Surface Water	
5	Review annual reports submitted under biosolids rule.				

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4.3 Surface Water Compliance and Enforcement

Continued

4.3

a	Review annual reports for Major and Minor WWTP generators that land apply or have surface disposal sites. Review all commercial applicators/composters.	26	26	Surface Water	
6	Manage the pretreatment program.				PPG
a	Review the annual reports submitted by each POTW with an approved pretreatment program and provide written feedback when program deficiencies are found.	19	8	Surface Water	
b	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.	4	4	Surface Water	
c	Report the total number of pretreatment compliance inspections (PCIs) conducted for of approved pretreatment programs. (A PCI shall not be conducted in the same year as a pretreatment audit.)	7	7	Surface Water	
d	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.	Once in 5 years	0	Surface Water	
7	Report the total number of sanitary sewers inspected.				
a	ADEQ will identify which program (APP or AZPDES) has authority to perform SS inspections. ADEQ will provide an inspection target during FY18 mid year review.	1/1/2018	3	Surface Water	
8	Report total number of complaints investigated relating to Clean Water Act.				PPG

4.3 Surface Water Compliance and Enforcement

Continued

4.3

a	Complaints received.	Semi-Annual	19 Stormwater only = 59	Surface Water
b	Number of complaint/non-routine surface water inspections.	Semi-Annual	4 15 of the 59 stormwater complaints resulted in an on-site inspection conducted by ADEQ.	Surface Water
9	Report a list of informal enforcement actions issued and closed for any data not reported to ICIS:			
a	MSGP Issued; Closed	Semi-Annual	37 Issued 26 Closed	Surface Water
b	CGP Issued; Closed	Semi-Annual	11 Issued 10 Closed	Surface Water
c	Biosolids Issued;Closed	Semi-Annual	0	Surface Water
d	CAFO Issued; Closed	Semi-Annual	0	Surface Water
10	Report a list of formal enforcement actions for any data not reported to ICIS.			
a	Administrative orders issued	Semi-Annual	4	Surface Water
b	Administrative orders terminated.	Semi-Annual	2	Surface Water
11	Complete a review and provide a response to automated QNCR (major/minor) data to identity inaccuracies.			
a		Monthly		Surface Water

4.3 Surface Water Compliance and Enforcement

Continued

4.3

12	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. Notes: 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.		
	a	Monthly	Surface Water
13	Update the compliance monitoring strategy for FY18		
	a		Surface Water

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4.3 Surface Water Compliance and Enforcement

Continued

4.3

WQFF PPG Match	0.55	26,666	11,733	11,930	50,329
WQFF	11.03	386,077	169,874	172,731	728,682
PPG	1.95	105,567	46,450	47,231	199,248
	13.53	**518,310**	**228,057**	**231,892**	**978,259**

The surface water protection section overall compliance rate for announced inspections was 75%.
The average # of days to return a facility back into compliance was 84 days.
For individual permits, ADEQ has completed 87 file review inspections of which 38 led to an enforcement action.
ADEQ also contracted with PG environmental to perform 10 quality assurance inspections at individually permitted AZPDES facilities. The QA/QC inspection were targetted inspections on the facilities sampling and reporting procedures. PG identified several deficiencies in the facilities SOPs and sampling protocols. ADEQ will be making improvements to the pre-inpsection and inspection cheklist to make sure facilities are maintaining compliance with all aspects of quality assurance.

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

GWR, DWR, SWR

5.1 Division & Section Management & Support

Manage 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 performing 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 WQD programs. Process fees and related administrative tasks for the Division.

5.1

1	Participate in EPA/ADEQ grant meetings:				PPG, DWSRF 10%
a	End of year review for FY17	9/30/2017	Complete	All Sections	
b	Mid-year review for FY18	2/28/2018	Complete	All Sections	
c	EPA negotiation meetings for FY18	3/31/2018	Complete	All Sections	
2	Manage division rules agenda				PPG
a	5-year reviews	6/30/2017	Complete	Director	
b	Executive Order 2015-01 reducing regulatory burden	8/1/2017	Complete	Director	
c	Rule packages with governor's exemption	6/30/2018	Complete	Director	
3	Manage receipt of fees and permit invoicing for the Division	6/30/2018	Complete	Deputy Director	
4	If resources are available, ADEQ will attend the: Fall ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2018	10/16/2017	Drinking Water	
5	If resources are available, ADEQ will attend the: Spring ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2018	Complete	Drinking Water	
6	If resources are available, ADEQ will attend the EPA Region 9 State Directors meeting.	6/30/2018		Drinking Water	
7	If resources available, ADEQ will participate in rule development workgroups/workshops as requested by ASDWA or EPA.	6/30/2018	Complete	Drinking Water	

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR, SWR**

5.1 Division & Section Management & Support

Continued

5.1

8 4)In keeping with EPA Region 9's Greening Grants Policy, ADEQ will identify any appropriate goals and measures for the Agency in the areas of environmental preferable purchasing, resource conservation and disposal, and/or energy efficiency and conservation — Director

9

10

5.1

WQFF PPG Match	1.41	59,746	26,288	26,730		112,764
WQFF	17.29	738,972	325,148	330,616		1,394,736
VEI DWSRF Match	1.06	69,615	30,631	31,146		131,392
VEI	2.18	135,621	59,673	60,677		255,971
PPG	5.78	263,131	115,778	117,725		496,634
NPS WQFF	0.20	6,893	3,033	3,084		13,010
NPS PPG	0.80	27,571	12,131	12,335		52,037
Contract: Education and Training					7,400	7,400
Contract: Attorney General (State Funds)					556,550	556,550
15% Set Aside	1.00	41,796	18,390	18,700		78,886
10% Set Aside	1.00	33,488	14,735	14,983		63,206
Contract: Attorney General (PPG)					509,450	509,450
	30.72	**1,376,833**	**605,807**	**615,996**	**1,073,400**	**3,672,036**

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR, SWR**

5.2 Water Quality Planning

Coordinate the development and amendment of annual water quality work plans and grants. Plan, control and monitor expenditures of manpower and state/federal financial resources.

5.2

1 Develop annual FY19 Integrated Water Quality Division Workplan and submit to EPA.					PPG
a	Draft	2/28/2018	Complete	Deputy Director	
b	Final	5/31/2018	Complete	Deputy Director	
2 Coordinate development of performance reports					PPG
a	Final FY17 Output Report to EPA	8/31/2017	Complete	Deputy Director	
b	FY18 Mid-Year Output Report to EPA	2/15/2018	Complete	Deputy Director	
3 WQ Planning documents					PPG
ai	Submit Budget Status Reports (BSR) summaries for: Performance Partnership Grant (PPG)		Complete	Deputy Director	
aii	Submit Budget Status Reports (BSR) summaries for: DWSRF Federal (15%) Set-Aside		Complete	Deputy Director	
aiii	Submit Budget Status Reports (BSR) summaries for: Wellhead (10%) Set-Aside		Complete	Deputy Director	

5.2

PPG	0.35	12,929	5,689	5,785	24,403
	0.35	**12,929**	**5,689**	**5,785**	**24,403**

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR, SWR**

5.3 Water Quality Data Management

Facilitate the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate water data capture, storage, access, retrievals, analysis, integration, and sharing.
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.gov/storet/wqx/

5.3

3	Continue to diagnose and fix bugs in ADEQ Water Quality Compliance Database uploads to EPA Integrated Compliance Information System database.	6/30/2018	Continuing	ITS Director	PPG
4	Continue to assist in the analysis and design of myDEQ.	6/30/2018	Continuing	ITS Director Permits Surface Water Compliance Drinking Water	
5	Water Quality Database				PPG
a	Install new software and complete data migration to manage water quality data.	6/30/2018	4/14/2017	ITS Director Surface Water	
b	Diagnose and fix bugs in current water quality database, including data loads to EPA Water Quality Exchange network during transition to new database solution.	6/30/2018	1/1/2018	ITS Director Surface Water	
c	Provide the number of records sent to EPA's Water Quality Data Exchange for FY18.	8/30/2018	8/28/2018	ITS Director Surface Water	
6	Stormwater general permits				

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2.1, 2.2	Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)	**GWR, DWR, SWR**

5.3 Water Quality Data Management

Continued

5.3

a	Diagnose and fix bugs related to permits in storm water database, including annual fees program.	6/30/2018	Complete	ITS Director Surface Water
b	Diagnose and fix bugs related to storm water database e-permitting.	6/30/2018	Complete	ITS Director Surface Water
7 Reporting				
a	Continue to develop a data warehouse solution for storm water permits, class V injection wells and Discharge Monitoring Report data.	6/30/2018	Complete	ITS Director Surface Water Compliance

5.3

WQFF	10.49	743,118	326,972	332,471		1,402,561
WQARF PPG Match	1.00	5,037	2,216	2,254		9,507
VEI DWSRF Match	0.25	6,396	2,814	2,862		12,072
VEI	1.25	21,532	9,474	9,633		40,639
NPS WQARF PPG Match	0.40	9,466	4,165	4,235		17,866
NPS PPG	1.27	67,642	29,762	30,263		127,667
Contract: SWOCs Update					200,000	200,000
Contract: CMDP Migrate					52,000	52,000
106	1.00	20,756	9,133	9,286		39,175
	15.66	**873,947**	**384,536**	**391,004**	**252,000**	**1,901,487**

The ADEQ Water Quaity Database went live April 14, 2017 and the major troubleshooting was completed by January 1, 2018. Number of records sent to WQX was provided August 28, 2018. A total of 16,736 records were sent to WQX where AZDEQ-SW is the organization ID and between July 1, 2017 and June 30, 2018.

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR**

5.4 WIFA Support

Provide 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, techniues 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 watewater 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.

5.4

1 Provide engineering consultation to WIFA project managers during loan application process:			
a	Review WIFA project manager's due diligence report for evaluation of project purpose, scope and cost.	As needed	Water Permits Drinking Water
b	Accompany WIFA project managers on loan application visits when needed to assist with evaluation of technical aspects of project.	As needed	Water Permits Drinking Water
c	Assist with WIFA review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans.	2-4 wastewater projects	Water Permits Drinking Water
2 Accompany WIFA project managers on construction observations when needed to assist with review of American Iron and Steel compliance.		As needed	Water Permits Drinking Water
3 Answer questions/provide engineering consultation to WIFA project managers as technical questions arise.		6/30/2018	Water Permits Drinking Water

5.4

DWSRF	1.00	2,292	1,008	1,025	4,325
	1.00	**2,292**	**1,008**	**1,025**	**4,325**

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR, SWR**

5.5 Border Strategy

Continue 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.

5.5

1	Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:				
a	Provide technical support to stakeholders Strategy 3.c.i	6/30/2018	Complete	SRO	
b	Maintain or revise, if necessary, ADEQ's current Memorandum of Understanding with Nogales, Sonora authorities	6/30/2018	Complete	SRO	
c	Assist with coordination of training to enhance local pretreatment efforts	6/30/2018	Complete	SRO	
d	Assist with source characterization of regulated contaminants	6/30/2018	Complete	SRO	
2	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	6/30/2018	Complete	SRO	DWSRF 15%
3	Support work in Nogales, Sonora to reduce sanitary sewer overflows into Nogales Wash.	6/30/2018	Complete	SRO	
4	Coordinate with EPA on Border 2020 and provide technical support as feasible on projects funded through the program.	6/30/2018	Complete	SRO	

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2.1, 2.2 Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2) **GWR, DWR, SWR**

5.5 Border Strategy

Continued

5.5

5 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 water quality sampling and data management, and/or file preliminary reports on findings.	6/30/2018	Complete	SRO
Strategy 1.c.i; Strategy 1.c.ii			
6 Assist in the development and oversight of special conditions for permits assigned to operators of facilities in the border region.	6/30/2018	Complete	SRO
7 Provide bilingual compliance assistance to customers in the border region.	6/30/2018	Complete	SRO

5.5

WQFF	0.97	69,649	30,645	31,161	131,455
15% Set Aside	0.33	23,146	10,184	10,355	43,685
	1.30	**92,795**	**40,829**	**41,516**	**175,140**

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