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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2.1 Protect Human Health **DWR**

**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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### 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.<br>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<br>Strategy 2.b.i | Semi-Annual | 136 | Drinking Water | |
| b | Discharge Authorizations<br>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.<br>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.<br>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:<br>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<br>Notices of Intent | Semi-annual | 0 | Surface Water |
| c.ii | Minor discharges GP<br>Notices of Termination | Semi-annual | 0 | Surface Water |
| c.iii | Minor discharges GP<br>Total Number of Filers | Semi-annual | 3 | Surface Water |
| d.i | Multi-Sector General Permits<br>Notices of Intent | Semi-annual | A=58 | Surface Water |
| d.ii | Multi-Sector General Permits<br>Notices of Termination | Semi-annual | A=47 | Surface Water |
| d.iii | Multi-Sector General Permits<br>Certificate of No Exposure | Semi-annual | New = 38<br>Total = 536 | Surface Water |
| d.iiii | Multi-Sector General Permits<br>Total Number of Filers | Semi-annual | A=1,194 | Surface Water |
| e.i | Stormwater Construction General Permits<br>Notices of Intent | Semi-annual | A=1,960 | Surface Water |
| e.ii | Stormwater Construction General Permits<br>Notices of Termination | Semi-annual | A=1,176 | Surface Water |
| e.iii | Stormwater Construction General Permits<br>Waivers | Semi-annual | A=57 | Surface Water |
| e.iiii | Stormwater Construction General Permits<br>Total Number of Filers | Semi-annual | A = 3,395 | Surface Water |
| f.i.(1) | DeMinimis General Permits<br>Notices of Intent<br>Single source | Semi-annual | A-=7 | Surface Water |
| f.i.(2) | DeMinimis General Permits<br>Notices of Intent<br>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<br>Strategy 1.a.ii | 1/26/2018 | Surface Water | |
| b | File proposed NFRM with Secretary of State<br>Strategy 1.a.ii | 6/29/2018 | Surface Water | |
| 2 | Prepare draft narrative lakes nutrient criteria and implementation procedures for public comment.<br>Develop implementation plan by 9/30/2017. Pursue on dual track for reviews by USFWS and a peer review.<br>Strategy 1.a.ii | 1/31/2018 | Surface Water | NPS in PPG |
| 3 | Draft Impaired Waters Identification Rule update for internal review.<br>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.<br>Strategy 1.a.i; Strategy 1.b.ii | Quarterly | | Surface Water | NPS in PPG, 106 Mon - 6 |
| 2 | Intermittent Streams<br>Complete Report on Condition of Intermittent Streams<br>Strategy 1.a.i | 6/30/2018 | | Surface Water | NPS in PPG, PPG, 106 Mon - 6 |
| 3 | Design probabilistic fish consumption advisory survey<br>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<br>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<br>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<br>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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### 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)<br>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)<br>2) Release for public comment (6/30/2018)<br>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)<br>2) Draft CWP (5/31/2018) | |
| | Davidson Canyon | Baseline monitoring |
| | Data summary | |
| | 1) Implement SAP (ongoing)<br>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)<br>2) Install equipment (1/15/2018)<br>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)<br>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)<br>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 |



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**4.3 Surface Water Compliance and Enforcement**

Continued

**4.3**

| | | | | |
|---|---|---|---|---|
| a | Complaints received. | Semi-Annual | 19<br>Stormwater only = 59 | Surface Water |
| b | Number of complaint/non-routine surface water inspections. | Semi-Annual | 4<br>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<br>Issued; Closed | Semi-Annual | 37 Issued<br>26 Closed | Surface Water |
| b | CGP<br>Issued; Closed | Semi-Annual | 11 Issued<br>10 Closed | Surface Water |
| c | Biosolids<br>Issued;Closed | Semi-Annual | 0 | Surface Water |
| d | CAFO<br>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.<br><br>Notes:<br>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<br>Permits<br>Surface Water<br>Compliance<br>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<br>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<br>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<br>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<br>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<br>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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