GOAL #1: Clean & Safe Water **Program #4500: Surface Water Regulation**
Objective #3: Reduce pollutant loading to surface water.

TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.5	**TASK: Surface Water Program Development** Perform program development support activities for surface water program including development of program procedures and policies. **DELIVERABLES:**		
PPG	1) Draft implementation procedures for: a) Methylmercury in fish tissue	T a) 12/10	Surface Water
NPS XII	2) Implement narrative nutrient criteria workplan for streams and rivers.	T = Ongoing	Surface Water
	3) Develop strategy and establish priorities for 2012 triennial review.	T = 12/10	Surface Water

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW) PPG	6.00	26,466
GFS (SW) NPS XII	6.00	22,314
PPG	6.00	20,327
NPS XII	7.00	25,861
TOTAL	25.00	94,968

GOAL #1: Clean & Safe Water **Program #4500: Surface Water Regulation**
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TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.6	**TASK: Ambient Monitoring Program** Ambient monitoring program, which includes rivers and streams, lakes and reservoirs, groundwater, and fish tissue and sediment sampling for priority pollutants. **DELIVERABLES:**		
PPG	1) Conduct ambient stream monitoring per FY 11 sampling and analysis plan. Monitoring to include targeted and probalistic basin characterization sites and planning list sites in support of 305(b) assessment process.	T = Quarterly	Surface Water/SRO
106 Mon	2) Prepare FY 12 sampling and analysis plan for rivers and streams	T = 5/11	Surface Water
106 Mon-2	3) Conduct ambient lake monitoring per FY 11 sampling and analysis plan. Monitoring to include watershed characterization and planning list sites in support of 305(b) water quality assessment process.	T =Quarterly	Surface Water
106 Mon-2	4) Prepare FY 12 sampling and analysis plan for lakes and reservoirs	T =5/11	Surface Water
106 Mon-2	5) Conduct nutrient monitoring per FY 11 sampling and analysis plan.	T = Quarterly	Surface Water
	6) Prepare FY 12 sampling plan for fish tissue monitoring.	T = Ongoing	Surface Water
	7) Conduct fish tissue and sediment sampling program on Arizona lakes and reservoirs for presence of mercury-to support-fish consumption advisory programs.	T = Ongoing	Surface Water
PPG	8) Ambient water quality data (tissue and sediment data included) must be entered into STORET by March 1, 2011. **(PPG grant condition)**	T = 3/1/11	Surface Water
PPG	9) Work with ADEQ laboratory QAQC to assure revision of Quality Management Plan (QMP) is submitted to EPA by 12/31/10. **(PPG grant condition)**	T = 12/31/10	Surface Water

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	**OUTPUT DESCRIPTION**	**EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL**	**RESPONSIBLE SECTION/ STAFF**
1.3.6	**TASK: Ambient Monitoring Program (Cont'd)** **DELIVERABLES:**		

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW)	12.00	43,977
GFS (SW) NPS XII	15.00	50,781
WQARF	13.00	43,490
PPG	27.00	98,578
106 Monitoring	1.00	4,104
106 Monitoring-2	11.00	40,319
TOTAL	79.00	281,249

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	**OUTPUT DESCRIPTION**	**EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL**	**RESPONSIBLE SECTION/ STAFF**
1.3.7	**TASK: 106 Monitoring** Monitoring Initiative (MI) program for implementation of AZ approved comprehensive monitoring strategy. **DELIVERABLES:**		
106 Mon	1) Support monitoring personnel	T = 6/11	Surface Water
106 Mon-2	2) Monitoring Program Support a) Purchase field and monitoring equipment	T = a) 6/11	Surface Water
106 Mon-2	3) Physical integrity a) Inventory bank height ration, width depth ratio and Bank Erosion Hazard Index (BEHI) data at selected sites as outlined in ambient monitoring SAP (task 1.3.6 deliverable 1).	T = a) 6/11	Surface Water
106 Mon	4) Intermittent streams a) Conduct intermittent stream monitoring according to FY 10/11 Sampling and Analysis Plan. b) Prepare FY 12/13 intermittent stream Sampling and Analysis Plan	T = a) 6/11 b) 5/11	Surface Water
106 Mon-2	5) Effluent dependent waters a) Conduct monitoring according to SAP for effluent dependent waters.	T = a) 6/11	Surface Water
106 Mon	6) Participate in National Wetlands Survey	T = 9/30/11	Surface Water

Note: Awarded 106 Monitoring funding for 2011 will be added to the existing 106 Monitoring grant (Grant 1-96993110 or 106 Mon-2 above). New 2011 funding to support personnel costs has increased more than 10% from last year's distribution (which placed a larger amount in contract support) in order to more effectively utilize grant funding and assist with personnel costs associated with the 2011 National Wetlands Condition Assessment (Deliverable #6).

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW) NPS XII	3.00	12,917
106 Monitoring	13.00	48,145
106 Monitoring-2	15.00	51,650
TOTAL	31.00	112,712

GOAL #1: Clean & Safe Water **Program #4500: Surface Water Regulation**
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TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.8	**TASK: Water Quality Assessment** Development of water quality assessment documents (e.g. 305(b), 205(j) and processes). **DELIVERABLES:**		
PPG NPS XII	1a) Submit Arizona's 2010 Draft Integrated 305(b) Assessment and 303(d) Listing Report to EPA. 1b) Finalize 2010 draft.	T = 9/10 T = 3/11	Surface Water
NPS XII	2) List of Impaired Waters (303(d) List).	T = Ongoing thru 6/11	Surface Water

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW) PPG	3.00	6,880
PPG	30.00	105,936
NPS XII	8.00	27,775
TOTAL	41.00	140,591

GOAL #1: Clean & Safe Water **Program #4500: Surface Water Regulation**
Objective #3: Reduce pollutant loading to surface water.

TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	**TASK: TMDL Analyses** Oversee Total Maximum Daily load (TMDL) efforts and conduct TMDLs and related analyses. **DELIVERABLES:**		
NPS XI, XII	1) Target is to complete 11 TMDLs on 11 waterbodies by August 2010, 4 TMDLs on 2 waterbodies by October and an additional 12 TMDLs on 10 waterbodies by June 2011. (See Project Completion by June 2011 Status Table.)	T = Quarterly Status Table Updates	Surface Water
PPG	2) Continue collecting water quality data for TMDL development. Target is monitoring 15 TMDLs on 10 waterbodies (see Continued Monitoring Status table).	T = Quarterly Status Table Updates	Surface Water

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW) PPG	2.50	5,734
GFS (SW) NPS XII	22.50	86,802
WQARF	4.00	13,226
PPG	11.30	45,191
NPS XI	23.00	87,882
NPS XII	15.00	57,910
TOTAL	78.30	296,745

TMDL PROJECTS QUARTERLY STATUS
1.3.9 TMDL Development – Project Completion by June 2011

Segment	Impairment	Project Manager	Comments
Lake Mary Regional (5)	Hg in Fish Tissue		Submit to EPA 8/31/10*
Oak Creek- Headwaters to West Fork Oak Creek	*E. coli*	js9	Submit to EPA 8/31/10*
Oak Creek- West Fork Oak Creek to tributary (345709/1114513)	*E. coli*	js9	Submit to EPA 8/31/10*
Oak Creek- Tributary (345709/1114513) to below SRSP	*E. coli*	js9	Submit to EPA 8/31/10*
Oak Creek- below SRSP to Dry Creek	*E. coli*	js9	Submit to EPA 8/31/10*
Oak Creek- Dry Creek to Spring Creek	*E. coli*	js9	Submit to EPA 8/31/10*
Spring Creek- Coffee Creek to Oak Creek	*E. coli*	js9	Submit to EPA 8/31/10*
Gila River- New Mexico Border to Bitter Creek	SSC, *E. coli*	dm4	Submit to EPA 10/31/10*
Gila River- Bonita Creek to Yuma Wash	SCC, *E. coli*	dm4	Submit to EPA 10/31/10*
Alamo Lake	Hg in Fish Tissue	stf	
Little Colorado River- Silver Creek to Carr Wash	*E. coli*	dm4	
Lyman Lake	Hg in Fish Tissue	ds12	Draft 6/11 Final 9/11
Parker Canyon Lake	Hg in Fish Tissue	stf	
Little Colorado River- Silver Creek to Carr Wash	*E. coli*	dm4	
Little Colorado River- Porter Tank to McDonalds Wash	SSC	dm4	
Alvord Lake	Ammonia	ds12	
Cortex Lake	Low D.O, high pH	ds12	
Chaparral Lake	Low D.O, *E. coli*	ds12	
Pinto Creek- headwaters to Ripper Spring**	Cu	gso	
Pinto Creek- Ripper Spring to Roosevelt Lake**	Cu	gso	

* Submittal to EPA shall be at the time WLA and response to comments are sent to the AZ Administrative Register

**- completion is dependent upon adoption of site specific standard

1.3.9 TMDL Development- Continued Monitoring and Site Specific Standard Development

Segment	Impairment	Project Manager	Comments
Crescent Lake	High pH	ds12	
East Verde River- American Gulch to Verde River	As, B	kwp	
East Verde River- Ellison Creek to American Gulch	Se	kwp	
San Pedro River- Aravaipa Creek to Gila River	*E. coli*, Se	dm4	
Watson Lake	Nitrogen, low D.O., high pH	stf	
Granite Creek- headwaters to Willow Creek	Low D.O.	stf	
Bear Canyon Lake	High pH	stf	
Rose Canyon Lake	Low pH	ds12	
Gila River- Continental Wash to Gillespie	Se, B	kwp	
Colorado River- various reaches	Se	dm4	
Queen Creek- headwaters to Superior WWTP*	Cu	kwp	
Queen Creek- Superior WWTP to Potts Canyon*	Cu	kwp	
Mule Gulch- headwaters to Above Lavender Pit*	Cu	gso	
Mule Gulch- Above Lavender Pit to Bisbee WWTP*	Cu, pH	gso	
Mule Gulch- WWTP to Highway Bridge*	Cd, Cu, pH, Zn	gso	
Brewery Gulch- headwaters to Mule Gulch*	pH	gso	

*- continued site-specific standard development

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	**OUTPUT DESCRIPTION**	**EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL**	**RESPONSIBLE SECTION/ STAFF**
1.3.10	**TASK: TMDL Implementation Plans & Effectiveness Monitoring Plan** Develop TMDL implementation plans in support of approved TMDL projects. **DELIVERABLES:**		
NPS XI	1) Develop TMDL implementation plans. Target is to complete 7 implementation plans (see Develop Implementation Plans Status table).	T = Quarterly Status Table Updates	Surface
PPG	2) Conduct effectiveness monitoring. Target is to monitor the effectiveness of remedial activities on the four Performance Measure Waterbodies in addition to two others (see Effectiveness Monitoring Status table).	T = Quarterly Status Table Updates	Surface

FTE FUNDING SOURCE	MONTHS	AMOUNT
NPS XI	16.00	55,270
PPG	3.50	14,046
GFS (SW) NPS XII	4.50	18,791
TOTAL	24.00	88,107

1.3.10 TMDL IMPLEMENTATION - PLANS STATUS

Segment	Target Completion Date	Project Manager	Comments
Urban Lakes	6/11	ks10	
Queen Creek	6/11	ks10	
Pinto Creek	6/11	ks10	
Mule Gulch	6/11	ks10	
Little Colorado River	6/11	ks10	
Parker Canyon Lake	6/11	ks10	
Lyman Lake	6/11	ks10	

1.3.10 TMDL IMPLEMENTATION – EFFECTIVENESS MONITORING STATUS

Segment	Impairment	Project Manager	Comments
Alum Gulch*	Cd, Cu, Zn, pH	sd4	
Boulder Creek*	As, Cu, Zn	sd4	
Pinto Creek*	Cu	sd4	
Turkey Creek*	Cu, Pb	sd4	
Verde River	Turbidity	sd4	
Little Colorado River	Turbidity	sd4	

*- Measure W watersheds

Performance Measure SP-12 (W) Updates: ***Improve water quality conditions in impaired watersheds nationwide using the watershed approach.***

Turkey Creek	
Pinto Creek	
Alum Gulch	
Boulder Creek	