NAVAJO NATION ENVIRONMENTAL PROTECTION AGENCY
WATER QUALITY/NNPDES PROGRAM
FOUR-YEAR CWA PERFORMANCE PARTNERSHIP GRANT
FISCAL YEARS 2011 – 2015

END OF YEAR/SELF-EVALUTION REPORT FOR FISCAL YEAR 2015
(5th YEAR OF A FIVE-YEAR PPG)

(left to right) Navajo Nation President Russell Begaye, EPA Administrator Gina McCarthy, and Navajo Nation Vice President Jonathan Nez on the bank of the San Juan River in Shiprock, NM in the aftermath of the Gold King Mine release. August 13, 2015

Submitted to: U.S. Environmental Protection Agency – Region IX

February 11, 2016

NAVAJO NATION ENVIRONMENTAL PROTECTION AGENCY
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FY 2015 END OF YEAR/SELF-EVALUATION REPORT
NAVAJO EPA – WATER QUALITY/NNPDES PROGRAM

INTRODUCTION

For FY 2015, beginning October 1, 2014 and ending September 30, 2015, Navajo EPA received federal financial assistance through a Clean Water Act (CWA) Performance Partnership Grant (PPG) in the amount of $1,070,000 with a 5 percent recipient match of $56,316. The federal amount was comprised of $920,000 in § 106 funding, $50,000 in § 31 9-Base funding, and $100,000 in § 319-Comptitive funding. This report is focused on work plan activities covered under § 106/§ 319-Base grant funding.

NAVAJO WQ/NNPDES PROGRAM STAFFING

The FY 2015 PPG work plan was implemented by the following WQ/NNPDES Program staff:

Staff Name	Position Title
Patrick Antonio (Program Manager)	Principal Hydrologist
Eric Rich (WQS, Monitoring, 401)	Senior Hydrologist [in Tuba City, AZ]
Stephen Austin (WQDB, Monitoring, 401)	Senior Hydrologist [in Shiprock, NM]
Lee Anna Martinez-Silversmith (401)	Senior Environmental Specialist
Novik Begay (NPDES, CAFO)	Senior Environmental Specialist
Dorothy Redhorse (NPS, 401, Lab)	Senior Environmental Specialist
Fred Johnson (Outreach, Monitoring)	Environmental Specialist
Melinda O'Daniel (NPDES, Storm water, 401)	Principal Engineering Technician [in Chinle, AZ]
Iris Pete (Office Manager)	Senior Office Specialist

STATUS OF FY 2015 WORKPLAN TASKS (See Attachment 1 for summary tables)

GOAL 1. Continue to implement Navajo and Federal permitting, compliance, and enforcement capabilities to protect water quality

Task 1(a): Conduct 100 field investigations

Status: Staff conducted 82 field investigations. Travel restrictions occurred in first part of the first quarter due to processing of insurance paperwork for use of program vehicles. Quarterly EPA compliance templates on field investigations are in Attachment 2. Field investigation forms are also in Attachment 2.

1st Quarter (11)	2nd Quarter (15)	3rd Quarter (28)	4th Quarter (28)
5 O&G	4 WW	9 401/404	9 WW
3 storm water	3 septic sys	6 WW	6 septic sys
2 401/404	2 O&G, 401/404 manure, waterline	5 septic sys	4 401/404, flooding
1 WW		2 NPDES, O&G, dumping	3 O&G
		1 sludge, greywater	2 storm water

BIA N31 road project where excessive saturation was causing problems in the installation of a box culvert. Plans to address the problems are not covered by the 401 Certification for the project. September 11, 2015.

Broken sewerline crossing the Breadsprings Wash from the Red Rock Navajo Chapter House compound. The Red Rock Chapter House is located south of Gallup, NM. February 11, 2015

Stockpile of petroleum contaminated soil during repair of an Anadarko natural gas pipeline before it crosses the Salt Creek Wash north of Shiprock, NM. July 9, 2015

Excavating access to the ruptured Western Refinery crude oil pipeline near Mariano Lake, NM. An NNDOT road grader stroke the pipeline. June 30, 2015

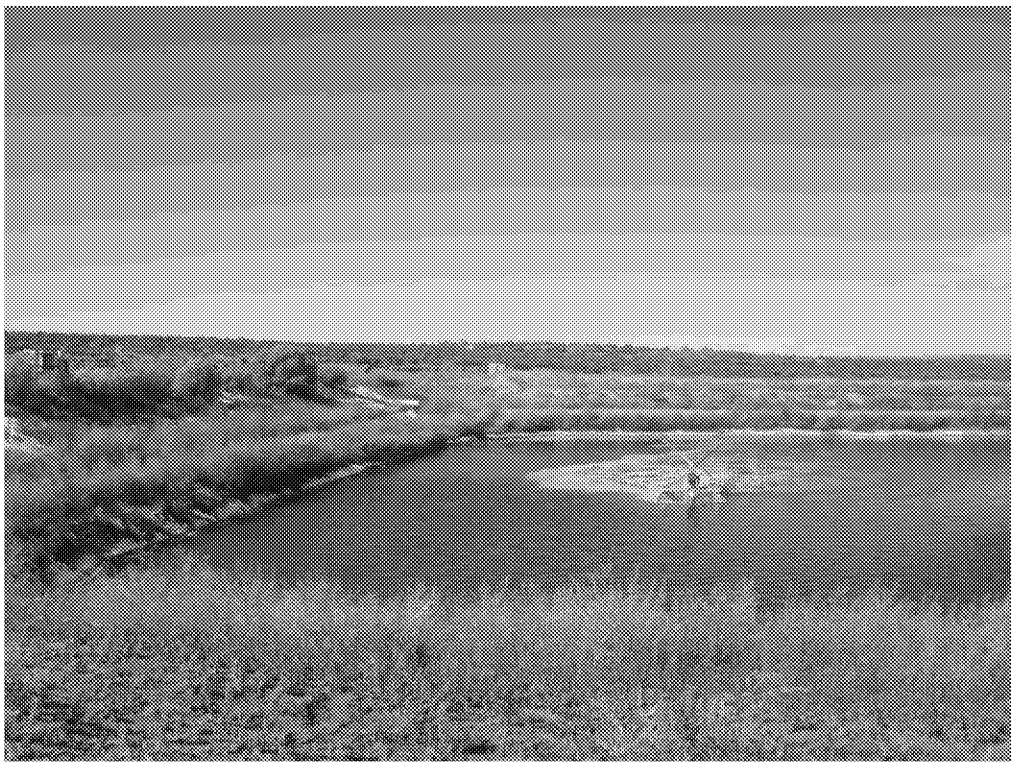
EPA was concerned about petroleum contamination potentially being released off-site at Speedy's Truck Stop facility in Lupton, AZ. No off-site releases due to the implementation of the facility's SPCC plan. July 29, 2015

Citizen complaints on NNDOT use of a soil binder solution on N9073 in Sawmill, AZ.

Task 1(b): Draft a minimum of 4 individual NPDES discharge permit renewals

Status: Staff worked on the following NPDES permits:

Name of Facility	Permit No.	Permit Writer	Status
BIA Crystal Boarding School WWTP	NN0020869 (renewal)	N. Begay	Draft permit submitted to EPA; public noticed & reissued by EPA
BIA Lake Valley Boarding School WWTF	NN0021016 (renewal)	P. Antonio	Draft permit submitted to EPA; public noticed & reissued by EPA
BIA Ojo Encino Day School WWTF	NN0020915 (renewal)	P. Antonio	Draft permit submitted to EPA; public noticed & reissued by EPA
BIA Pueblo Pintado Old Boarding School WWTF	NN020991 (renewal)	N. Begay	Draft permit submitted to EPA; public noticed & reissued by EPA
Gouldings Lodge WWTF	NN0025178 (renewal)	M. O'Daniel	Draft permit submitted to EPA; public noticed & reissued by EPA
Mariano Lake Chapter Water System	NN0030346 (new)	P. Antonio	Draft permit submitted to EPA; public noticed & issued by EPA
NTUA Ganado WWTF	NN0022195 (renewal)	P. Antonio	Draft permit submitted to EPA for public notice & reissuance
NTEC Navajo Mine	NN0028193) (renewal)	M. O'Daniel	Worked with EPA to develop draft permit



The one-cell WWTF serving the BIA Ojo Encino Day School. The white inlet pipe is visible in the far corner. The level of WW has dropped in the past two years. November 24, 2014

One of two proposed outfall locations for the Mariano Lake Chapter Water System which plans to release hydrostatic test and flush water from a water supply pipeline. April 6, 2015

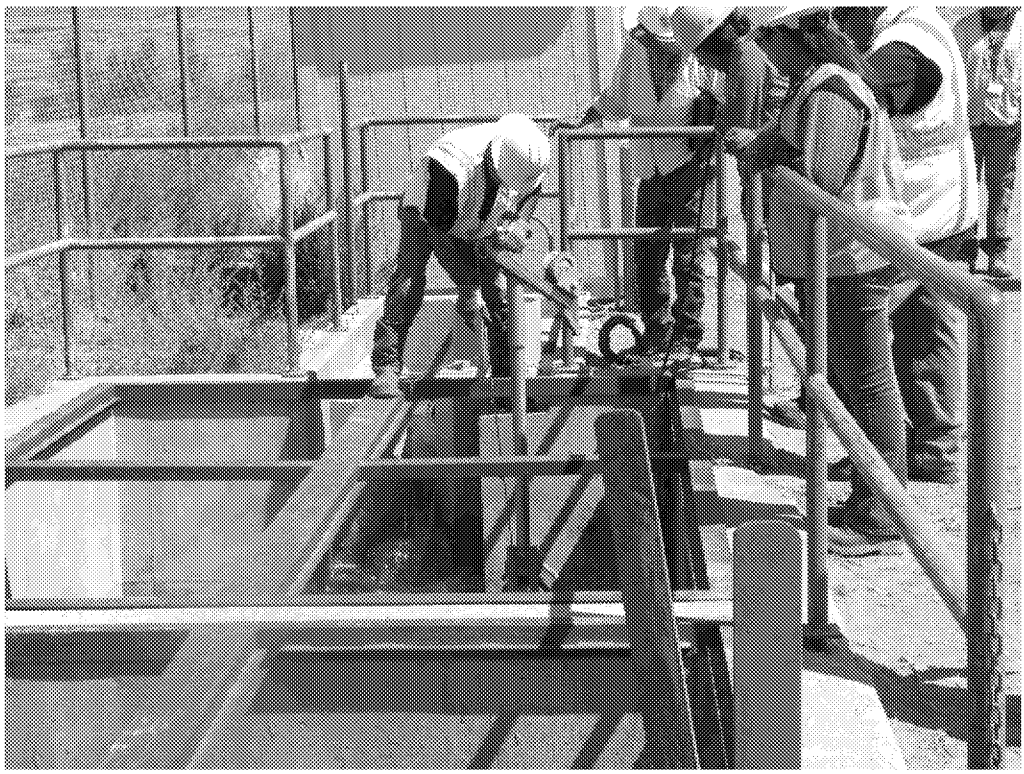
Task 1(c): Conduct 12 NPDES Compliance Evaluation Inspections (CEIs)

Status: The 12 scheduled NPDES CEIs are listed below. Patrick Antonio, Ronnie Ben, Novik Begay, and Melinda O'Daniel possess federal CWA inspector credentials. CEI reports were submitted to EPA Region 9. The quarterly EPA compliance templates on CEIs are in Attachment 2.

Name of Facility	Permit No.	Inspection Date	Inspector
BIA Ojo Encino Day School WWTF	NN0020915	Nov. 24, 2014	P. Antonio
BIA Crystal Boarding School WWTF	NN0020689	Dec. 8, 2014	N. Begay
BIA Nazlini Boarding School WWTP	NN0110043	Dec. 9, 2014	M. O'Daniel
NTUA Shiprock WWTP	NN0020621*	Feb. 6, 2015	P. Antonio
Pinehill Community School WWTF	NN0030325	Feb. 27, 2015	M. O'Daniel
BIA Wingate High School WWTF	NN0020958	March 25, 2015	N. Begay
NTUA Kayenta WWTF	NN0020281	June 26, 2015	N. Begay
NTUA Tuba City WWTF	NN0020290*	June 29, 2015	M. O'Daniel
NTUA Window Rock WWTF	NN0021555*	June 30, 2015	P. Antonio
BIA Lukachukai School WWTF	NN0025178	Aug. 26, 2015	P. Antonio
BIA Jeehdeez'a Academy WWTF	NN0021016	Aug. 28, 2015	N. Begay
PWCC Black Mesa/Kayenta Mines*	NN0022179*	Aug. 31, 2015	M. O'Daniel

* Denotes major NPDES facility that is inspected annually. Minor NPDES facilities are inspected a minimum of once every five years.

Melinda O'Daniel (green hardhat) with NTUA personnel during the NPDES CEI at the Shiprock WWTP. The groups is observing a faulty pump from the secondary clarifier. February 6, 2015



Melinda O'Daniel (green hardhat) with NTUA personnel during the NPDES CEI conducted at the NTUA Tuba City WWTF. The group is observing the facility's chlorine contact chamber. June 29, 2015

In addition, program staff assisted EPA Region 9 inspector (Eric Magnan) on CEIs conducted at the following facilities:

Name of Facility	Permit No.	Inspection Date	Name of Inspector
APS Four Corners Power Plant	NN0000019*	Oct. 27, 2014	E. Magnan
Nacogdoches Oil & Gas Boundary Butte	NN0020133	Oct. 28, 2014	E. Magnan

* Denotes major NPDES facility.

EPA Region 9 inspector Eric Magnan (left) with Navajo EPA and APS personnel at the San Juan River water intake station during a CEI of the APS Four Corners Power Plant. October 27, 2014

Task 1(d): Conduct CAFO inspection at Navajo Agricultural Products Industry (NAPI)

Status: On July 8, 2015, N. Begay had a conversation with Sky Hayes of NAPI on the current status of the animal feedlots on NAPI. On July 24, 2015, N. Begay inspected the NAPI animal feedlots with Mr. Hayes. At the NAPI main feedlot, there is no tenant, liners were installed in two surface impoundments, new culverts were installed, and new gates were installed on the holding pens. The NAPI Cow Camp feedlot is no longer leased out due to a major drainage dissecting the property. The NAPI Sheep Camp feedlot is being prepared for lease to Duane Cugnini.

Newly lined total retention pond at the NAPI main feedlot. This pond collects runoff from the silage area of the main feedlot. July 24, 2015

Task 1(e): Conduct inspection on 10 percent of permitted Phase I construction sites and 5 percent of permitted Phase II construction sites

Status: Conducted four inspections on CGP facilities. Staff had problems accessing the EPA NOI database. The quarterly EPA compliance templates on storm water inspections are in Attachment 2.

BIA N31 Road Project
NNDOT N9073 Road Project
Fire Rock Casino East Parking Lot Project
Alamo Community Sewer Lagoon Phase II Project

Construction occurring on the Navajo Fire Rock Casino East Parking Lot Project. September 11, 2015

Task 1(f): Conduct inspection on 10 percent of industrial storm water permittees

Status: Completed five inspections on facilities covered by the MSGP. The quarterly EPA compliance templates on storm water inspections are in Attachment 2.

NTUA Window Rock WWTF	NTUA Shiprock WWTP	PWCC Mining Complex
NTUA Tuba City WWTF	Buck Tire & Tow in Shiprock, NM	

Buck's Tire & Tow auto salvage yard in Shiprock, NM. Concrete-lined irrigation canal is in the front. October 3, 2014

Task 1(g): Improve compliance monitoring and enforcement activities: review DMRs, review Quarterly Noncompliance Reports and Watch List, generate Annual Non-Compliance Report, and, use of enforcement tools

Status: The program was involved with the enforcement endeavors listed below.

- CWA-309-9-06-04: Assisted EPA with this AOC against NTUA for NPDES permit effluent limit violations at the Window Rock WWTF. EPA ended up issuing a revised AOC.
- NNCWA-AOC-2014-001: Issued AOC to NTUA for NPDES permit limit violations at the Chinle, Ganado, Kayenta, Navajo Townsite, Pinon, and Tuba City WWTFs. Involved review of draft compliance plans and O&M plans. Several meetings and conference calls with NTUA and EPA.
- NNCWA-AOC-2015-001: Issued AOC to NTUA for NPDES permit limit violations at the Window Rock WWTF. Included a $25,000 administrative penalty. NTUA is building a new plant to replace the current lagoon treatment system. Involved reviews of short- and long-term compliance plans, draft O&M plan, and a transition compliance plan. Several meetings and conference calls with NTUA and EPA.
- CIV NO. 2: 98-CV-0020-ST: Continued assisting EPA with groundwater remediation from a cracked P-20 well in Aneth, UT originally owned by ExxonMobil but now owned by Resolute.
- CWA-308-9-15-003: Assisted EPA with its information request to NTUA for unauthorized releases from the Window Rock WWTF.
- CWA-308-9-15-008: Assisted EPA with its information request to BIA for sewage sludge from the Wingate High School WWTF being stored at the inactive Wingate Elementary School WWTF.
- Mar 18, 2015 letter to the Pueblo Pintado Chapter House for wastewater being released from its faulty septic system.
- March 25, 2015 DMR training provided to Pinehill Community School facility maintenance staff
- Reviewed Significant Non-Compliance list from EPA
- Reviewed incoming discharge monitoring reports (DMRs) and WET test results

Derrick Slick, NNDWW Program, at the discharge outfall from the NTUA Window Rock WWTF into Black Creek. The facility is subject to tribal and federal AOCs. February 19, 2015 (Photo from NNDWW Program staff)

Illegal release of back wash water from the algae filter at the NTUA Window Rock WWTF. This water is supposed to go to the second cell but NTUA indicated the line would freeze up. EPA issued a request for information to NTUA. February 19, 2015 (Photo from NNDWW Program staff)

Task 1(h): Participate in monthly NPDES conference calls with EPA

Status: Conference calls were held on the following dates (It was decided to hold these conference calls on a monthly basis). Agendas and notes were compiled for each call.

Oct 15, 2014	Jan 28, 2015	Feb 25, 2015	March 18, 2015
May 21, 2015	June 24, 2015	July 23, 2015	Sept 9, 2015

GOAL 2. Continue to implement the Navajo Nation Section 401 Certification program

Task 2(a): Determine 401/404 applicability

Status: Addressed 158 service requests for 401/404 applicability:

1st Quarter (82)	2nd Quarter (26)	3rd Quarter (26)	4th Quarter (24)
74 housing 2 road crossings 1 pipeline, aviary, gravel pit, bank stabilization, mine, telcom tower	20 housing 1 road crossing, well, waterline, mine, gasline, sink hole	20 road crossings, 2 stock ponds 1 housing, well, diversion, WW treatment	15 road crossing, 5 housing 2 stock ponds 1 hospital, waterline

A Birdsprings, AZ landuser with an NRCS grant to improve her rangeland would like to construct a stock water impoundment. This impoundment built in the early 1900's breached about 20 years ago. June 8, 2015

Eric Rich (right) with Albert Lee, BIA DOT, during a "Plans In Hand" site tour of the proposed BIA N71 road project in Birdsprings, AZ. May 18, 2015

BIA, NNDOT and Navajo County inquired on 404/401 applicability regarding the use of groundwater from a pit excavated in Teestoh Wash. The water is used in area road construction projects. April 1, 2015

Task 2(b): Issue tribal 401Water Quality Certifications

Status: The program issued the following tribal 401 Water Quality Certifications:

Project Name	Project ID No.	Project Type	Federal Permit
BIA Lake Valley School WWTF Discharge	2015-0057SR	WWTF	NPDES
BIA N57 Project – Cudeii	2015-0058SR	culvert	404
NMDOT NM419 Pena Blanca Arroyo – Sanostee	2015-0059SR	road	404
BIA 591 Project – Kayenta/Chilchinbeto	2015-0059TC	road	404
BIA N6810 Project – Birdsprings	2015-0060TC	road	404
NNDNR Many Farms Canal Improvement Project	2015-0145WR	canal	404
NNDOT N203 Project - Kinlichee	2015-0146WR	road	404
BIA Lake Valley School WWTF Renovation	2015-0147WR	bank stabilization	404
Pinehill Community School WWTF Discharge	2015-0148WR	WWTF	NPDES
NNDWR Mariano Lake Waterline Project	2015-0149WR	pipeline	NPDES
BIA Pueblo Pintado Old School WWTF Discharge	2015-0150WR	WWTF	NPDES
BIA Ojo Encino Day School WWTF Discharge	2015-0151WR	WWTF	NPDES
BIA Crystal School WWTF Discharge	2015-0152WR	WWTF	NPDES
Transwestern Pipeline Co. MP69.79- Navajo Co.	2015-0153WR	pipeline	404
BNSF Railway Company Project	2015-0154WR	bridge	404
NNAML Chacoan II Project	2015-0155WR	mine reclamation	404
Pollen Circle Project - Oakspings	2015-0156WR	culvert	404
NNDOT Casamero Lake Project	2015-0157WR	low-water crossing	404
NNDOT N52 Gravel Project	2015-0158WR	road	404
BIA N9860 Project - Dilkon	2015-0159WR	road	404
BIA N8060 Project – Hard Rock	2015-0160WR	road	404
NTUA Nazlini Wash Emergency Repair	2015-0161WR	sewerline	404
BIA N8085 Project – Many Farms	2015-0162WR	road	404
BIA Wingate High School WWTF Discharge	2015-0163WR	WWTF	NPDES
NNFWD Crystal Creek Project	2015-0164WR	bridge	404
NNFWD Wheatfields Creek Project	2015-0165WR	WWTF	404
BIA N8059 Project – Low Mountain	2015-0166WR	road	404
EPA MSGP`	2013-0115WR	construction	NPDES
BIA N8068 Graveling Project	2014-0120WR	road	404
NMDOT US 491	2014-0121WR	road	404
NNDES Ft. Defiance Youth Athletic Field	2014-0122WR	sports complex	404
BNSF Bridge 143.6 Replacement	2014-0125WR	RR bridge	404
ANSBI Alamo Community Sewer Lagoons Phase II	2014-0126WR	sewer line	404
BIA N9345 Road Project	2014-0132WR	road	404
BIA N5113 Culvert Replacement	2014-0138WR	culvert	404
BIA Hunters Point Boarding School WWTF	2014-0139WR	WWTF	NPDES
BIA Nenahnezad Community School WWTP	2014-0140WR	WWTP	NPDES

Bank stabilization adjacent to the third cell of the BIA Lake Valley School WWTF which underwent renovation for reactivation (401 Cert ID No. 2015-0147WR). This wash is a tributary to the Chaco Wash. June 19, 2015

Sewerline installation for the new Alamo Community Lagoon System occurring next to the Chapter Wash, a tributary to the Rio Salado (401 Cert ID No. 2014-0126WR). March 13, 2015

Task 2(c): Promulgate amendments to the NNSWQS Certification Regulations

Status: The program continued to work on proposed updates to the tribal 401 Certification regulations. The program also entertained some feedback from the regulated community.

GOAL 3. Continue to implement the Navajo Nation Surface Water Quality Standards program

Task 3(a): Apply NNSWQS to other programs

Status: Examples of the NNSWQS applied to other programs include:

- Continued sampling of surface impoundments at Chevron McKinley Mine for post-mine use
- Assisting EPA Region 9 Superfund on uranium affects on wetlands in Cove, AZ
- WQ monitoring of the San Juan River as result of the Gold King Mine spill (see Attachment 3)
- Debris flow from burned areas of the Asaayi Fire
- WQ data to EPA for renewal of the NPDES permit for the APS Four Corners Power Plant
- WQ data to BOR for NGS-Black Mesa Energy Project EIS
- Releases of grey water from residence
- Remediation of oil/produced water spills into washes
- Potential collaboration with the Red Lake Chapter on watershed projects to address WQ issues
- Work with NNDOJ on applicability of NNSWQS on the Tuba City Open Dump
- LCR Watershed Association proposal to use old tires for erosion control

N311 low-water crossing of Asaayi Creek destroyed by debris flows from the July 2014 Asaayi Fire. July 17, 2015

Steve Austin (left) and Fred Johnson collecting samples of the flow coming out of the Gold King Mine. August 13, 2015

Task 3(b): Complete triennial review of the NNSWQS

Status: The proposed amendments to the NNSWQS are ready for formal rulemaking. A public notice will need to occur. The following are examples of work on the triennial review.

- received update from EPA R9 on Colorado River Salinity standards; gave status update to EPA R9; EPA R9 says we cannot proceed with setting ephemeral standards like Arizona; discussed setting ephemeral standards like Arizona with ADEQ; researched ephemeral standards and background conditions; discussed setting ephemeral standards like Arizona with EPA R9 who disagree with this action

- reviewed draft ADEQ WQS; spoke with ADEQ on their WQS; spoke with South Dakota State University cooperative extension on livestock WQ; extensive re-drafting of new WQS (created new sections on Exceptional Navajo Nation Waters, Antidegradation Criteria, Antidegradation Implementation, Net Ecological Benefit and created 18 new numeric criteria tables); finished first draft for internal review; internal discussion on our gross alpha Livestock Watering WQS (our WQS uses adjusted gross alpha while data is usually reported in total gross alpha; need to subtract out gross alpha from uranium activity to get to adjusted gross alpha value; results in all previously exceedances of our 15 pCi/l gross alpha WQS in our WQDB not exceeding the WQS after all); most likely need to adopt a uranium WQS for Livestock Watering; finalized March 2015 draft of NNSWQS; emailed copy to EPA R9 for their review; discussion with EPA R9 on NNSWQS amendments (hardness dependent WQS and aluminum)
- historical program WQ data shows high aluminum concentrations in water bodies not located near coal mines or power plants (may need to set watershed-specific WQS for aluminum); requested status from USEPA R9 on their review; conference call with USEPA R9 to discuss their comments on the draft standards; drafting latest version of the NNSWQS based on EPA's extensive comments; discussed legal review with NNDOJ; reviewed stream designated uses; extensive editing of the designated uses table, numeric standard tables, table of contents and text; consulted with NNF&W, EPA, NMED and ADEQ; conference call with EPA on NNSWQS amendments (they may not concur with interpretation of the acid soluble aluminum)
- finalized public comment draft version of the NNSWQS which will under public notice; ready for public notice

GOAL 4. Continue to implement the Navajo Nation Non-Point Source (NPS) management program

Task 4(a): Oversee on-going NPS projects

Status: The program 401 Coordinator worked on the Section 319-Competitive grant projects listed below which involve the reduction of NPS sediment pollution caused by livestock grazing and roads. A significant amount of time is involved with overseeing administrative functions associated with contracts, grant closeouts, match reporting, purchases, grant extensions, etc.

NPS Project Name	Project Highlights
FY 2006 Shaw Tribal Ranch (rolled in with Elkins)	FFR extension request granted by EPA; NNDOF accepted match report; FFR submitted to EPA
FY 2011 Ojo Encino I	Worked on grant closure
FY 2012 Ojo Encino II	Worked on grant closure
FY 2013 Ojo Encino III	Process contracts with West Construction, RPA and Bill Zeedyk; 401/404 talks with NMED & COE; briefings with contractors; purchase supplies; process invoices from contractors
FY 2014 Ojo Encino IV	No expenditures due to issues with NNDOF; request to EPA for Waiver of Office of Grants & Debarment to use funds in FY 2016

Dorothy Barber-Redhorse (left) meeting with West Construction to discuss issues and progress related to the various Ojo Encino NPS projects. July 31, 2015

Task 4(b): Develop and submit NPS proposal

Status: The program worked on a FY 2016 NPS grant proposal, "Alamo Chapter NPS Pollution Reduction through the Rehabilitation of Faulty Residential Septic Systems within the Rio Salado." This proposal is due to EPA by January 15, 2016 via Grants.gov. Other potential proposal projects include addressing post-Asaayi Fire impacts to the Asaayi Creek watershed and the Foshay No.1 flowing well that is producing saline-laden flow through the Bisti Wilderness Area. The program also prepared to implement the FY 2015 NPS grant proposal, "Ojo Encino Chapter Nonpoint Source Sediment Pollution Reduction to Range Management Unit 18 within the Upper Torreon Wash and the Arroyo Chico Sub-basin Watershed Based Plan" in FY 2016.

Steve Austin observes spring flow in Chavez Canyon in Alamo, NM. This is a potential NPS project due to impacts from a faulty septic system in waterway listed in the program's NPS Assessment Report. March 13, 2015

Task 4(c): Implement NPS management initiatives

Status: Addressing agriculture non-point source impacts through developed BMPs for grazing activities. Dorothy Redhorse has discussions with NMED on potential state-funded NPS projects on the New Mexico-portion of the Navajo Nation. The Rio Puerco Management Committee requested Dorothy Redhorse to sit on its board. Educating Navajo Nation Council delegate from Western Navajo on watershed planning through NPS grants. Training and technical assistance is offered to contractors and individuals to reduce and prevent NPS pollution from construction activities.

GOAL 5. Implement the water quality monitoring program in accordance with an EPA-approved QAPP and § 106 Tribal Guidance/Measure N

Task 5(a): Determine the physical, chemical, and biological conditions of waterbodies and evaluate them against water quality indicators

Status: The program planned to collect four rounds of sampling of the Lower and Middle San Juan River to better understand impairments and to prepare for possible TMDLs. A contract was made with TestAmerica for analytical lab services. Two rounds of sampling were collected at the following sites:

SJR at Four Corners
SJR at Hogback
Mancos River at mouth to SJR
SJR at Montezuma Creek
SJR below Shiprock
McElmo Creek at mouth of SJR
SJR at Bluff
Chaco River at mouth to SJR

Fred Johnson preparing to collect a WQ sample from the San Juan River at the Bluff, UT bridge. July 22, 2015

With the August 5, 2015 release from the Gold King Mine into the Animas and San Juan Rivers, the program had to abort its last two rounds of sampling specific to the Lower and Middle SJR to collect samples in response to the spill.

Working with EPA Superfund on radionuclide sampling in the Cover watershed. Working with EPA on potential sampling sites for the National Wetland Survey. Granted UDEQ access to SJR near Aneth, UT for sampling as part of the National Wetlands Condition Assessment.

Task 5(b): Maintain a water quality monitoring database

Status: Steve Austin continued work on the WQDB: discussion with the Absentee Shawnee Tribe; discussion with Gold Systems on a new contract for hosting our WQ data; made sure the proper fields were populated for sample type and collection method; entered all missing 2010 lab results; corrected analytical lab methods that did not match with those approved by WQX; and, made sure analytical methods matched those approved by EPA.

Task 5(c): Prepare water quality assessment report involving Designated Use attainability determinations

Status: Working on the 305(b) WQ Assessment Reports for the Chaco River, Chinle Wash, and SJR watersheds. These reports will be submitted separately to EPA.

Task 5(d): Submit water quality data to EPA

Status: Some data submitted in the Chaco River, Chinle Wash, and SJR Watershed 305(b) WQ Assessment Reports. The program continued to work on uploading its WQDB onto AWQMS which is compatible with WQX.

Task 5(e): Conduct annual assessment of monitoring program, QAPP, and water quality database to ensure water quality goals are being met; revise if needed.

Status: The program will carry on with its water quality monitoring strategy that was revised in FY 2011 but complies with the program's "Guidance for Assessing the Quality of Navajo Nation Surface Waters to Determine Impairment". The program's QAPP, approved by EPA on July 19, 2012, will need to be incorporate sediment sampling. Work on the program's WQDB continues.

GOAL 6. Continue transition from a federal to a tribal NPDES program

Task 6(a): Work on NPDES program delegation

Status: A lack of funding for a contract attorney limited work on this effort. Staff continued review of past work by the contract on NPDES program delegation application components.

Task 6(b): Amend the NNCWA & NNPDES Program Regulations

Status: A lack of funding for a contract attorney limited work on this effort. Staff continued review of past work by the contract on amending the NNPDES Program Regulations.

Task 6(c): Coordinate on permits, compliance and enforcement

Status: Several conference calls with U.S. EPA to coordinate on scheduling of NPDES permits and compliance evaluation inspections (See Task 1(h)). U.S. EPA provides input on the program's work plan tasks pertaining to NPDES permits and inspections.

GOAL 7. Continue to implement the water quality education and outreach program

Task 7(a): Conduct 52 presentations to students

Status: Conducted 107 presentations to students at the following:

Aztec Dorm	Bluff ES	Eagle Nest Intermed. Sch
Ganado HS	Holbrook HS	Montezuma Creek Intermed. Sch
Navajo Prep	St. Michaels HS	San Juan HS
Tonalea Day School	Uplift Comm School	Ganado HS Career Fair
Kirtland HS STEM	Navajo Prep Sci Fair	Navajo Prep Sci Camp
Lukachukai Sci Fair	Dine' College	NTU Youth Camp
NN Northern Fair	NN Western Fair	NN Ofc of Dine' Youth
McKinley Co Youth Day		

Fred Johnson giving a water quality presentation at Holbrook (AZ) High School. January 28, 2015 [Photograph from the Navajo-Hopi Observer]

Task 7(b): Conduct 52 general public presentations

Status: Conducted 103 general outreach presentations to the following:

Upper Fruitland resident	Low Mtn Chapter	Lukachukai Chapter
Many Farms Chapter	Pinedale Chapter	Red Lake Chapter
Red Rock Chapter	Sanostee Chapter	Sheepsprings Chapter
Shiprock Chapter	Pinehill Comm Sch	Crownpoint Career Conf
NN Northern Fair	NN Western Fair	Chinle Nat Res Fair
Shiprock Nat Res Fair	NNDOT	NNFWD
NN Zoo	NHA	Navajo Aging Agency
NMSU	NMWRRI	EPA ROTC

Lee Anna Martinez-Silversmith giving a 401 Cert presentation at the EPA Region 9 RTOC meeting at the Twin Arrows Navajo Casino & Resort. August 8, 2015

Task 7(c): Hold a 401 Certification training session

Status:Lee Anna Silversmith gave 401 Certification training presentations to the new NNDOT Executive Director, a new NNDOT civil engineer, NN Fish & Wildlife Department, NN Zoo.

Task 7(d): Issue quarterly program newsletter

Status: Staff developed newsletter template for the NNEPA website. The program continues to work on its own program website to host the newsletters.

GOAL 8. Continue tribal water quality staff training (classroom, self-paced, internet) relating to water quality monitoring, watersheds, macoinvertebrates, NPDES, health & safety, and enforcement

Task 8(a): Attend water quality-related, Whole Effluent Toxicity testing, and other technical courses

Status: The following courses were attended:

Name of Training Course	Training Site	Staff Attending
"Wetlands Workshop: Collaborative Wetland Restoration in the SW" by Quivira Coalition	Albuquerque, NM	P. Antonio, E. Rich, D. Redhorse, L. Silversmith, M. O'Daniel
Quivira Conference by Quivira Coalition	Albuquerque, NM	D. Redhorse, L. Silversmith
Tamarisk Coalition 12th Annual Conference	Albuquerque, NM	D. Redhorse
NN Wildlife Summit	Santa Ana Pueblo	P. Antonio, D. Redhorse, L. Silversmith
COE Mitigation & Monitoring Guidelines/ Mitigation Ration-Setting Checklist Work	Albuquerque, NM	L. Silversmith
COE Wetland Delineation & Stream Bank Stabilization training	Santa Fe, NM	L. Silversmith, M. O'Daniel
ITEP Tribal Climate Change	webinar	M. O'Daniel
Grant Writing course	UNM-Gallup	M. O'Daniel

Task 8(b): Attend health & safety recertification courses

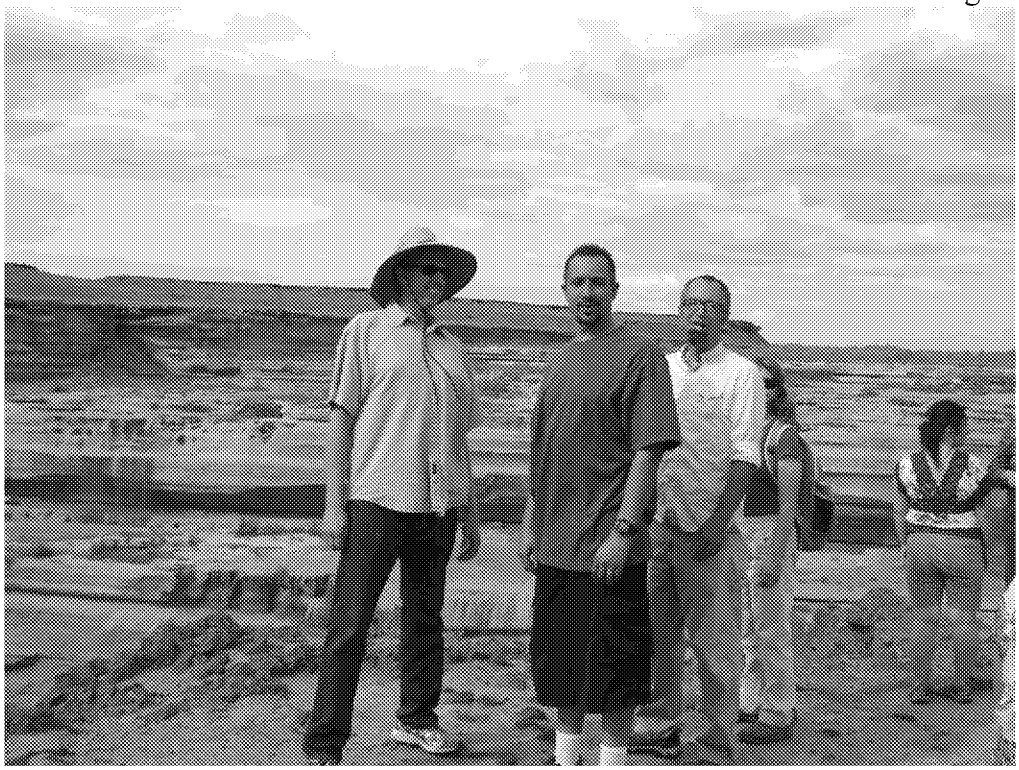
Status: Technical staff completed the following health and safety courses:

Name of Training Course	Training Site	Staff Attending
Annual 8-hr HAZWOPER refresher by Field Science Institute	Albuquerque, NM	P. Antonio, D. Redhorse, F. Johnson
Annual 8-hr HAZWOPER refresher by Spectra	Phoenix, AZ	E. Rich, N. Begay, L. Silversmith
Annual 8-hr HAZWOPER refreshed by San Juan College	Farmington, NM	S. Austin, M. O'Daniel
Fall Protection training	Window Rock, AZ	N. Begay

Task 8(d): Attend EPA conferences and workshops

Status: The following conferences were attended:

Name of Training Course	Training Site	Staff Attending
EPA Basic Inspector training	EPA Region 9	N. Begay
EPA Clean Water Rule	webinar	P. Antonio, L. Silversmith, M. O'Daniel
EPA Region 9 RTOC meeting	Twin Arrows, AZ	E. Rich, L. Silversmith, F. Johnson



Eric Rich (left) leading a field trip at the Grand Falls as part of the U.S. EPA Region 9 Regional Tribal Operations Committee meeting held at the Twin Arrows Navajo Casino & Resort. August 6, 2015

GOAL 9. Continue to provide effective technical assistance, effective office administration, and effective grant management

Task 9(a): Provide clerical/office administrative support

Status: Iris Pete is providing unseen administrative support. She is an excellent worker.

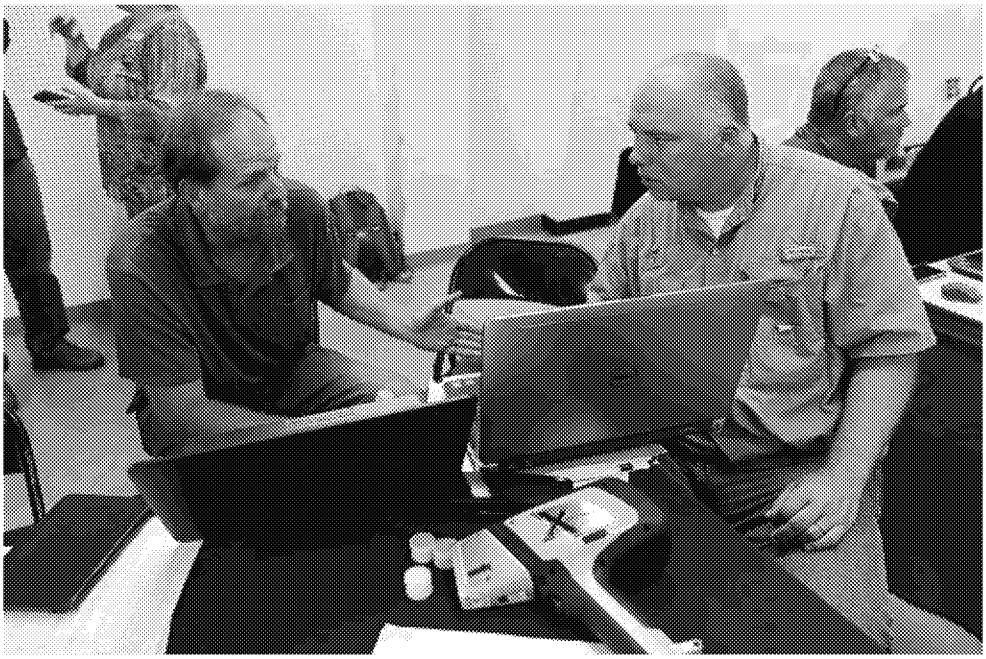
Task 9(b): Provide CWA-related technical assistance, including technical review, as requested

Status: Examples of technical assistance provided by staff included:

- Response to the Gold King Mine spill into the Animas/San Juan Rivers
- DOE remediation activities at Shiprock, NM and Tuba City, AZ uranium mill tailings
- Tronox settlement concerning uranium mine cleanup
- Burned Area Emergency Response (BAER) team activities; CWA input to post-Asaayi Fire activities in the Chuska Mountains
- NMED permitting of Red Rock Package Liquor Store in Smith Lake, NM near waterbody
- EIS for the Four Corners Power Plant & Navajo Mine Energy Project
- EIS of the Navajo Generating Station & PWCC Kayenta Mine Complex Project
- EPA transfer to Navajo EPA of Resolute's P-20 Well ground water remediation
- APS Four Corners Power Plant ash management
- Microbial tracking study by San Juan Watershed Group
- Commented on various EPA actions (TAS rule, CCR rule, WOUS rule,)
- Technical input to the NN Domestic Wastewater Program
- Navajo EPA crude oil release work group
- Closure of ponds for the ConocoPhillips Wingate Fractionator Plant

- Navajo-Gallup Pipeline Project (San Juan River to Gallup)
- Remediation at the Energy Transfer compressor station in Thoreau, NM
- ADOT Partnering Work Group
- LCR Watershed Assessment Planning
- NN-BIA Tribal Transportation Improvement Program quarterly meetings
- Numerous reviews of various project documents as part of NN Section 164 Review Process
- FAILED: Big Red Tool, Inc. did not honor contract to cap flowing Foshay No. 1 well

(left to right) Navajo Nation President Russell Begaye, Navajo Nation Attorney General Ethel Branch, and Steve Austin on a panel at a community meeting in Shiprock, NM regarding the Gold King Mine spill. August 20, 2015



Steve Austin (left) talking with a Texas Tech University professor during the Animas River Recovery Open House in Farmington, NM. September 1, 2015 [Photograph from Farmington Daily Times]

BIA sought guidance on the closure of the inactive sewer lagoon system that was used by the former Breadsprings Boarding School. May 22, 2014

A BIA contractor requested guidance on disposal of water in the large second cell of the Wingate Elementary School WWTF. The contractor was hired to decrease the size of the second cell. May 29, 2015

BIA inquired on the protocol to bring the first cell of the Wingate High School back online. The first cell has been off-line for over 5 years due to renovation work. September 9, 2012

Task 9(c): Each staff perform required administrative functions

Status: The Principal Hydrologist carried out various grant, budget, and personnel management oversight activities. The Senior Office Specialist handled financial documentation and clerical duties. All staff participated in meetings and completed administrative assignments.

Task 9(d): Submit application for the FY 2016 CWA PPG

Status: Awarded the first year of a new five-year CWA PPG for FY 2016 in the amount of $1,050,000 combined with $55,263 of required 5 percent recipient match.

GOAL 10. Quarterly reporting to self-evaluate and to joint evaluate annual performance under the CWA PPG

Task 10(a): Quarterly reporting to EPA

Status: Quarterly reports were submitted to EPA Region 9 Project Officer and to Navajo EPA Executive Director. Quarterly work plan progress tables were submitted to the NNOMB.

STATUS OF FY 2015 CWA PPG BUDGET

The NNOMB/OCG assigned two account numbers for the FY 2015 CWA PPG grant funds (BG97923811-3): **K111109** for 106/319-Base funds totaling $966,634 with a tribal match of $50,876 and **K141107** for the Ojo Encinco IV 319-Competive funds totaling $100,000 with a third-party in-kind match of $5,263.

K111109 – Section 106/319-Base Funds

At the end of September 2015, the Navajo Nation Financial Information Management System (NNFIMS) indicated a balance for the K111109 account of $151,822.79. This balance is accumulative for annual grants received under the PPG from FY 2011 to FY 2014 (accumulative budget total of $3,887,828. The actual ending balance total may change as financial close-outs are completed. Since it is accumulative, the new FY 2015 CWA PPG budget will be added to the K111109 account

K141107 – Section 319 Competitive Funds (Ojo Encino IV Project)

Due to issues with the Navajo Nation Office of Contracts and Grants, the K141107 account had no expenditures. The program tried to process several consultant contracts by these were never completed because of the aforementioned issues. Since BG97923811-3 has an ending date of September 30, 2015, the K141107 account will be expended in FY 2015.

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