# Pueblo of Nambe

**Department of Environmental and Natural Resources**

# EPA Indian Environmental General Assistance Program (GAP)

**Cooperative Agreement No. GA- 00F87201-2**

# Tenth Quarter Narrative Report

**For The Quarter: 1/1/17 through 3/31/17**

Submitted to:
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## Introduction

This report describes the status of activities within the Nambe Pueblo **Indian Environmental General Assistance Program (GAP)** during the period mentioned on the cover sheet. Thus, this is the **Tenth Quarter report** for this award. This report fulfills the administrative conditions of the Environmental Protection Agency (EPA). This information will also be submitted via GAP ONLINE.

Gap Award Number **GA-00F87201-0/1/2** (the current grant) is for the period 10/1/14 through 9/30/17, and the federal award amount now totals **$353,512.00.** The actual new money available as of 10/1/16 is **$122,300.00.** The GAP Grants are typically awarded annually for a four year period, using the same grant number with a consecutive last digit to indicate the particular modification number. This is the third year of the current grant cycle. Financial draws are made on a monthly basis via the ASAP program.

We deeply appreciate EPA's ongoing support of this important program, and your assistance in ensuring that we successfully complete all grant deliverables. We believe that GAP is one of EPA's most productive programs for tribes.

## 1.0 GAP Activities

## Goal 1: Provide a Tribal Environmental Office to build capacity for the Pueblo to operate and manage an environmental program to protect and preserve the environment of the Pueblo.

**Component 1: Maintain an environmental presence for the Pueblo by administering an environmental office. The Environmental Result will be the establishment of an environmental presence in Indian Country.**

**Long-Term Outcome**: The Environmental Result will be the continuance of an environmental presence in Indian Country, and to maintain adequate administrative records and grant files to support grant management.

**Measure of Success:** Success will be measured by timely submittal of all required reports, their approval by EPA Project Officers, and also by successful awards on two or more additional funding sources.

**Intermediate Outcomes**: Required reports will be developed and furnished to EPA. Build capacity for information management by using various methods for information gathering and storage to build a base of reference information to support environmental management and program development activities.

**Estimated Component Cost**: $29,426.00.



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**Commitment 1.1:** Compile Quarterly Federal Financial Reports (SF-425) and review the GAP account balance. Estimated cost: $3,115.00.

**Outputs and Deliverables**: Monthly draws to Region 6 via ASAP and Final SF-425 to EPA Las Vegas Finance Center.

This is on track. Financial Status Reports and Requests for Reimbursement (RFR's) are typically submitted to EPA within 30 days of the end of each month, and draws are made using the federal governments ASAP program. The GAP account balances are reviewed by the Manager on a frequent basis, and are reconciled with the Pueblo's Accounting Department each month.

**Commitment 1.2**: Compile and submit Quarterly and Annual Narrative Progress Reports to EPA Project Officer who will send evaluation to Pueblo; report will comply with 40 CFR Part 31.40(b). Estimated cost: $3,833.00.

**Outputs and Deliverables:** Quarterly Progress Reports (the last report will be a combined 4th Quarter and Annual Report—both hard copies and via GAP Online.

- This is on track. Our new GAP Project Officer is Mark Allen, who I have known for many years—welcome Mark.
- On 12/6/16—the Manager conducted a review of the prior year's EPA GAP grant via email with Yulonda Davis. She was happy and satisfied with the progress made over the last year. The Quarterly Narrative Progress Reports are submitted to EPA Region 6 within 30 days of the end of each quarter, and are also uploaded into GAP Online.

**Commitment 1.3:** Prepare and administer at least 4 grant proposals/applications to secure funding for additional environmental programs (EPA GAP, Inter-Tribal Buffalo Council, First Nations, and Chamiza Foundation, USDA, USFS). Estimated cost: $7,418.00.

**Outputs and Deliverables:** Summary of Proposals/Applications to funding agencies in Quarterly Progress Reports—e-copies and via GAP Online.

This is on track. The following grants were applied for or received during the second quarter:

- The EPA GAP Grant.
- The EPA 106 WQ Grant.
- A Chamiza Foundation Community Farm Grant. We obtained this grant for $8,700.00.
- A First Nations Community Farm Grant. We obtained this grant for $15,000.00.

The following grants were applied for or received during the first quarter:

- We applied for an NMED 'Recycling and Illegal Dumping' (RAID) grant in late December.



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**Commitment 1.4:** Prepare annual Staff Training Plans to develop and increase environmental capacity. Estimated cost: $3,091.00.

**Outputs and Deliverables:** Individual Training Plans for Staff; copies will be submitted and maintained in office, report on number prepared.

This is on track—the WQ Tech is sent to appropriate trainings. The prior WQ Tech. was terminated at the end of September, 2016. A new WQ Tech. was hired in early January 2017.

- 2/6/17: Webinar introduction/training with Kayla Gower from AWQMS.
- 2/14/17: Follow up webinar training with AWQMS.
- 2/24/17: Meeting with Shawn Chato and Brian Suazo from Santa Clara for Eureka Manta multiprobe training.
- 3/14/17: Attended the EPA AWQMS community call webinar.
- 3/22/17: Met with Brian Suazo and Shawn Chato from Santa Clara for Eureka multiprobe calibration and training.
- 3/24/17: Went to Santa Clara to shadow and assist in their WQ sampling event.

**Commitment 1.5:** Staff will attend 1 national and 2 regional meetings. Estimated cost: $2,720.00.

**Outputs and Deliverables:** Report on attendance at meetings in Quarterly reports.

There was no activity for this commitment during the quarter.

**Commitment 1.6:** Develop and submit DBE reports (these used to be called MBE/WBE). Estimated cost: $989.00.

**Outputs and Deliverables:** Report based on EPA guidelines for frequency.

This report is no longer required of Nambe Pueblo by EPA per recent guidelines; however, we do make efforts to find eligible vendors throughout the year.

**Commitment 1.7:** Purchase supplies (as necessary) to fulfill commitments. Estimated cost: $6,982.00.

**Outputs and Deliverables:** Include details in Quarterly Financial Status Reports to Region 6 and Final FSR to EPA Las Vegas Finance Center.

This is on track—as shown on the financial reports.

**Commitment 1.8**: Staff members will contribute articles to the DENR quarterly newsletter in order to communicate with and teach tribal members basic environmental science information. Estimated cost: $1,298.00.



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**Outputs and Deliverables**: Articles will appear in the quarterly DENR newsletter which will be included with the quarterly reports.

This is on track. Frequent notices pertaining to DENR activities are also placed in the Nambe Community Bulletin each quarter.

## Goal 2 – Enhance DENR's capabilities to protect and preserve the water resources of the Pueblo of Nambe.

**Component 2:** The DENR Manager will work to ensure the Nambe Pueblo environmental program has developed and maintains the capability and capacity to protect and preserve the water resources of the Pueblo of Nambe.

**Long-Term Outcome**: Allow the DENR Office to support the development of Nambe Pueblo environmental protection program capacities including adopting new EPA Scribe software tool for managing environmental data; planning for eventual application for a 319 program; and enhancing the programs GIS capabilities.

**Measure of Success:** Success will be measured by timely submittal of Water Quality data after QA/QC review using Scribe software; additional GIS capabilities resulting in maps developed in program; work for a future 319 program grant application including a TAS package and a Nonpoint Source Assessment Report and Management Plan; and continued development of the capacity to assist the Governor with oversight of the PVRWS as the project continues planning major water system facilities on the Pueblo.

**Intermediate Outcomes (this Workplan Period):** The DENR Manager will provide Quality Assurance oversight of the Water Quality Technician's surface water quality monitoring as outlined in both the Water Quality QAPP and the GIS QAPP.

Estimated Component Cost $24,044.00.

**Commitment 2.1:** Purchase ATV with small trailer to pull behind it in order for DENR staff to reach sampling points along the Rio Nambe and travel through rough areas of the Pueblo's landscape looking for illegal open dumpsites. Estimated Cost: $6,037.00.

**Outputs and Deliverables:** Report on purchase price in financial reports.

Due to programmatic needs, in late 2016, I asked the GAP Project Officer if I could switch this output into the GAP 2015-16 workplan year, and instead substitute 2 roof-only garage-like sheds for vehicle storage into this workplan. She approved this change. These roofs are: VersaTube 20-ft. x 20-ft. x 7-ft., Silver Metal, 2-Car Carport—at $2,000.00 each. These will be purchased in the 3rd quarter.

**Commitment 2.2:** The DENR Manager will continue to build the Department's GIS program; including adding additional environmental data from outside agencies,



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attendance at GIS trainings, and creation of new maps for environmental protection planning. Estimated Cost: $14,013.00.

**Outputs and Deliverables:** Report on successful training in progress reports and provide copies of training certificates if available; copies of maps created each quarter will be provided also.

This is on track: Governor Perez is purchasing a new computer server to host the tribal GIS database. We have also received the latest ArcView GIS software version from the BIA, and this will be installed on the new server. Also, the GIS contract with Michael Zeiler was extended through September, 2017 (this is paid for out of other funds).

GIS Trainings in the Second Quarter:

- 2/16/17: We met with Michael Zeiler and Marcus Lopez to discuss plans to update and order new GIS software.
- 1/24/17: We met with Michael Zeiler, Governor Perez, and others regarding the status of the GIS training. Marcus Lopez was hired by the tribe to assist with roads and the GIS program.
- 1/17/17: Tara met with Michael Zeiler to go over the GIS database.

GIS Trainings in the First Quarter:

- 10/13/16—Michael Zeiler provided GIS training to Steve, George and Bernadette.
- 11/10/16—Michael Zeiler met with George and Steve to assist with GIS on a map of Nambe Pueblo.

**Commitment 2.3:** The DENR Manager will contract with a firm to work on an eligibility package for CWA Section 319, including a TAS package and a Nonpoint Source Assessment Report and Management Plan. This may be enough to complete these reports during this year, but if not, drafts will be provided, and work will continue next year.
Estimated Cost: $7,431.00.

**Outputs and Deliverables:** Report in the Quarterly Reports to EPA, and drafts provided of the TAS package, Nonpoint Source Assessment Report and Management Plan.

The newly hired WQ Tech. and the Manager are reviewing the requirements for a 319 grant, and have started a draft of the management plan.

**Commitment 2.4**: Continue to assist in representing Nambe Pueblo in technical discussions, studies, and escorting various subcontractors regarding drinking water and waste water systems development—especially the Pojoaque Valley Regional Water System; a multiyear, >$100 million regional project being managed by the BOR and in which the Pueblo is a main participant—this project is requiring more time and work as the EIS scoping process continues. Estimated Cost: $7,787.00.



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**Outputs and Deliverables**: Report in the Quarterly Reports to EPA.

This is on track.

Second Quarter:

- 1/27/17—Tara and Governor Perez met with High Water Mark staff, and went into field to ID the location of early flood warning gauge site—which will be paid for from FEMA funds.
- 2/29/17—Drafted the pueblo's Final Nationwide Permit Issuance, CWA Section 401 Water Quality Certification, and submitted to the US AcE.
- Working with leadership of the Acequia de los Ortiz, which is on Nambe lands, and who are preparing plans to modify their headgate diversion in the Nambe River.

First Quarter:

- 10/9/16—Met with the State Engineer, his staff, and pueblo staff regarding the acequia associations on Nambe lands and what their responsibilities and duties are.
- 10/22/16— Attended meeting in the field with Lt. Gov. and Acequia de Los Ortiz and Miller Engineering regarding start of their new plan for the acequia.

## Goal 3 – Determine future environmental management program direction for the Tribe.

**Component 3:** Develop a Tribal Environmental Plan (TEP) and update the Quality Management Plan (QMP) based on the environmental issues and priorities of the Tribe and ongoing environmental projects. The Environmental Result will be to increase the Pueblo's environmental management program capacity.

**Long-Term Outcomes:** The Environmental Result will be to increase the Pueblo's environmental management program capacity as a result of staff members trained to assess environmental threats.

**Measures of Success:** Tribe supports selected priorities.

**Intermediate Outcomes:** New TEP and updated QMP. Required reports will be developed and furnished. Estimated Component Cost $16,962.00.
**Commitment 3.1:** Continue work on the Pueblo's Tribal Environmental Plan (ETEP). The ETEP was significantly improved in 2016, including summaries of sampling events and analytical data, but still lacks important information and organization Estimated Cost: $7,418.00.

**Outputs and Deliverables**: ETEP provided to EPA for review.



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This is underway. The ETEP was signed by the Governor and then signed by the EPA regional manager in the prior year, although it will be further refined this year.

**Commitment 3.2:** Continue to use the ETEP to prioritize environmental issues for the Tribe, using new data and information obtained in order to draw conclusions for use in the 319 Nonpoint Source Assessment Report and Management Plan and other Pueblo planning efforts. Estimated Cost: $7,294.00.

**Outputs and Deliverables**: Report on participation in Progress Report, including process used to get Tribal buy-in.

This is underway. The Manager and the new WQ Tech. will work with the contractor hired to assist per Commitment 2.3.

**Commitment 3.3:** Continue to review and improve an acceptable Quality Management System. Review and revise the QMP as necessary. Participate in a QA Management System Assessment if selected for review by EPA. Estimated Cost: $2,250.00.

**Outputs and Deliverables:** QMP submitted to EPA 60 days before expiration date. QMP approved by EPA. QMP maintained and reported in progress report.

This is completed. The QMP was updated and submitted to EPA in early January. It was approved and is valid from 1/5/17 – 1/4/18. The QTRAK number is 17-097.

## Goal 4: Provide support for environmental investigations, studies, and day-to-day programmatic operations.

***Component 4***: To ensure adequate manpower to conduct and perform all field investigations.

**Long-Term Outcomes:** The Environmental Result will be to increase the Pueblo's Solid/Hazardous Waste Implementation and to foster efficient community recycling.

**Measure of Success:** Success will be measured by the continued oversight of the transfer station, an increase in the tribal recycling rate and a decrease in illegal dumping.

**Intermediate Outcomes (this Workplan Period):** To provide the Tribe with a means to dispose of Solid/Hazardous Waste and to implement an education/outreach program for community recycling; to clean up illegal dump sites and educate the community about environmentally safe disposal practices. Estimated Component Cost: $23,006.00.

**Commitment 4.1:** The DENR Manager will continue to provide assistance and support for environmental field investigations relating to Solid/Hazardous waste including notices in the community newsletter, referring community inquiries to the appropriate staff member, posting notices of solid waste cleanups, and creating brochures for the community. Estimated Cost: $4,945.00.



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**Outputs and Deliverables:** Report number of field investigations/activities assisted with quarterly reports to EPA.

This is underway. The DENR Manager continuously evaluates the current operation of the Transfer Station, looking for more effective management methods, especially regarding recycling. We tour areas on the Pueblo frequently, at least weekly, that have been used for illegal dumping in the past, and attempt to identify parties who are doing the dumping—which is usually not possible. We add the locations of recent dumping to our list for cleanup when time and resources permit.

**Commitment 4.2:** The DENR Manager will continue to manage, supervise the Transfer Station Operator and provide assistance and support for Transfer Station Operations. Estimated Cost: $4,945.00.

**Outputs and Deliverables:** Report activities in progress report to EPA.

This is underway, and there are no issues to report.

**Commitment 4.3:** Continued development of recycling program within Tribal offices through outreach and education to the Tribal community. Work with Tribal Youth and other Tribal members to enhance efforts for this program; includes annual community cleanup event, newsletter and community bulletin reminders, and outreach at 4 youth/community training events held throughout year in collaboration with other Nambe health and wellness programs. Estimated Cost: $3,091.00.

**Outputs and Deliverables**: Report activities in progress report to EPA including a metric on materials recycled.

This is ongoing. Recycling efforts are going quite well regarding paper and cardboard, aluminum and plastics. The Pueblo is also stockpiling scrap metal and old tires from Pueblo members for eventual recycling as these specialized events are held. We have also begun collecting coffee grounds from the various Pueblo offices—this material is collected weekly and is composted at the Community Farm.

- During the 10th quarter, we dropped off **4,640 Lbs. of recyclables** at the regional recycling facility in Santa Fe County.
- During the 9th quarter, we dropped off **3,520 Lbs. of recyclables** at the regional recycling facility in Santa Fe County.

DENR staff collects recycling materials deposited in bins located in a number of tribal offices usually on a weekly basis, and these materials are added to the recycling trailer kept at the transfer station. Recycling by community members is encouraged through the DENR newsletters and bulletins, and community participation in depositing recyclables is admirable.



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**Commitment 4.4:** Refine the Solid Waste Management Plan and Transfer Station Operation and Maintenance Plan based upon actual experience, ask tribal council to approve these documents. Estimated Cost: $5,181.00.

**Outputs and Deliverables:** Provide a copy of the SW Management Plan.

This is ongoing. A draft Solid Waste Management Plan had been provided to EPA for review and we received some comments from EPA in August 2015. The SWMP has been updated per these suggestions, except for tribal approval. The plan has been sent to Governor Perez for review and comments, and he will decide when to present it to tribal council for review and approval. The Transfer Station Operation and Maintenance Plan is not a stand-alone document, but the information is incorporated in the SWMP, since operating and maintenance is not that complicated due to the small size and fairly limited scope of operations at the TS.

**Commitment 4.5:** Community clean-up of illegal dumpsite areas, and purchase and install signage in illegal dumpsite areas. Keep the community informed about legal dumping protocol through monthly newsletters. Estimated Cost: $3,607.00.

**Outputs and Deliverables:** Purchase signs and monitor areas where illegal dumping is occurring. Provide before and after photos of the cleaned up sites to EPA in the progress reports.

This is ongoing. Due to cleanup activities by the Tribal Rangers at the Waterfall Park, a pile of green waste was deposited at a dedicated site—this pile will be burned this spring when temperatures and fire danger are lower.

The Pueblo purchased a used commercial size wood chipper in September 2015. Tribal staff were trained in its use, and have used it to chip a number of green waste piles that do not need to be burned. Although not a DENR piece of equipment, we have been responsible for using it on behalf of the tribe. The chipper is kept at the transfer station and green waste is chipped when enough has been accumulated. The chips are available free to community members.

**Commitment 4.6:** Ensure that the Pueblo's existing UST's are properly registered with EPA and maintain compliance with federal regulations by coordinating activities with facility owner/operator; assist with obtaining training for Tribal UST facility owner/operator. Estimated Cost: $742.00.

**Outputs and Deliverables:** Report activities in progress report to EPA, including number of USTs in compliance and number of operators trained.

This is on track—both the OWETA courtesy inspection of the gas station and the EPA annual inspection will occur later this year.



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**Commitment 4.7:** Attend air trainings/meetings/workshops to stay current with air quality capacity (including indoor AQ) includes in-state travel. Estimated Cost: $495.00.

**Outputs and Deliverables:** Report activities in progress report to EPA, including training record.

- When applicable, I review AQ related documents that are sent by EPA to tribes for review and comments.

## GOAL 5: Establish Core Information Management Capacities

***Component 5***: Maintain a system to preserve records and reference materials including GIS mapping data for information on conditions that may impact the health of the environment and Nambe Pueblo residents.

**Long-Term Outcomes:** A system to store and organize data and information to enhance environmental projects/initiatives and improve communication with tribal, state, federal, and local governments regarding environmental issues that affect tribal lands.

**Measure of Success:** Success will be measured by the development of written procedures for record retention in compliance with 40 C.F.R. Part 31; and additional GIS program capabilities.

**Intermediate Outcomes (this Workplan Period):** Written policies and procedures for protecting sensitive tribal environmental and human health data; enhance environmental mapping capabilities (GIS). **Estimated Component Cost: $7,170.00**.

**Commitment 5.1**: Will update the Integrated Resource Management Plan (IRMP) and tribal environmental inventory that reflects: (1) environmental resources needing protection; (2) known information about existing/potential threats to human health and the environment within the tribe's area; (3) an evaluation of the potential impact of these threats to tribal members and resources (4) strategic plan with long term program development and implementation goals identified; and (5) prioritization of activities by the environmental program to address identified threats. Estimated Cost: $6,181.00.

**Outputs and Deliverables:** DENR will provide EPA with an IRMP that includes the 5 components shown in Commitment 5.1

This is underway. The IRMP will be updated this year.

**Commitment 5.2**: Update the GIS QAPP. Estimated Cost: $989.

**Outputs and Deliverables:** QAPP submitted to EPA for approval, reported in progress report.



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The GIS/GPS QAPP was updated and submitted to EPA for review in early August 2015. The GIS/GPS QAPP was approved but the specific information is not yet available.

## Conclusion

We believe this report documents a successful period related to the EPA GAP Program. Please let us know if you have any questions or comments.



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