

2015 NM RAID Grant: *"Strategizing to Curb Illegal Dumping in Our Pueblo Communities."*



Cynthia Naha
Environmental Specialist
Santo Domingo Tribe
Natural Resources Department

...Digital Story: Solid Waste Issues on Hopi

<https://www.youtube.com/watch?v=ZIQq8s90sTk>



NM RAID Grant

- ▶ Purpose: To protect health and welfare of current and future residents of New Mexico by promoting environmentally sound methods for reuse and recycling.
- ▶ Funding: Up to \$1,000,000 of funding available annually for:
 - ▶ Offsetting the cost of scrap tire collection and recycling
 - ▶ Establishing recycling facilities
 - ▶ Purchasing equipment for recycling and scrap tire management
 - ▶ Purchasing products produced by a recycling facility
 - ▶ Providing educational outreach regarding scrap tire management, recycling, and illegal dumping
 - ▶ Developing recycling infrastructure
 - ▶ Abating illegal dumpsites
 - ▶ Contracting with vendors to promote recycling
 - ▶ At least two-thirds of budgeted grant money in each fiscal year is allocated to tire abatement and recycling programs, and one-third is allocated to abatement of illegal dumping and recycling of other solid wastes.

- ▶ Eligibility: Grants are only available for:
 - ▶ Municipalities
 - ▶ Counties
 - ▶ Tribal nations, pueblos, and tribes
 - ▶ Land grant communities
 - ▶ Cooperative associations (as defined in the Recycling and Illegal Dumping Act)
 - ▶ Solid waste authorities
 - ▶ Ineligible entities are encourage to partner with eligible entities. The applicant must be able to complete the project within one year. Matching funds and in-kind contributions are not required but are encouraged.
- ▶ The 2016 NM RAID Grants are due Friday, April 1, 2016.

Santo Domingo Tribe's NM RAID Grant 2015

► Project Focus:

- A partnership amongst the Santo Domingo Tribe, San Felipe Pueblo, and Pueblo de Cochiti to develop a 5-point plan to strategize to curb illegal dumping, abate six dumpsites (2 per Pueblo), develop an outreach and education campaign to change the cultural mindset, and to develop surveillance and monitoring of the dumpsites, once abated.
- Tasks included:
 - Identifying appropriate staff to assist with the 5-point plan
 - Work with leadership and the community to gain support for the cleanup and prevention of illegal dumpsites
 - Develop and implement a strategy to discourage improper solid waste and the hazards associated with illegal dumping
 - Design an innovative campaign and workshops to promote the on-going prevention of illegal dumping
 - Continuously monitor the abated dumpsites to deter reoccurrence



Abatements:

- Abatements took place earlier this year, January 2016.
- Staff from each Natural Resources Department identified 2 dumpsites aimed for the abatement through the 2015 NM RAID Grant
- The grant allowed for the following:
 - Purchase of PPE for the abatements: leather gloves, vinyl gloves, safety vests, and safety glasses.
 - Purchase of trash bags and trash pickers
 - Rental of Fifteen 30-yard cubic bins from WM (each Pueblo got five 30-yard cubic bins)
 - Rental of Backhoe and utility trailer
 - Purchase of signs, posters, banners, magnets, bumper stickers, and reusable shopping bags

Abatement Form

Illegal Dump Site Assessment Form
 "Strategizing to Curb Illegal Dumping in Our Public Communities"
 2015 NM Recycling and Illegal Dumping Grant (RAID)

This form is used to assist in the characterization of solid waste found at illegal dumpsites and will help with abatement needs and/or requirements.

Site Name (name of area as used for future reference): _____

CFS Coordinates (define digital format)
 Latitude: _____
 Longitude: _____

Rank of Site (All sites will be ranked by however, ranking sites according to them may not assist in effective management of resources)
 Level 1 - Highest Health Threat Rank
 Level 2 - Medium Health Threat Rank
 Level 3 - Lowest Health Threat Rank

Site Status
 Active (illegally open site)
 Inactive (illegal site no longer in use)

Date Site was Assessed: (MM/DD/YY) _____

Lead Status: _____

When applicable, date site:
 Closed by (indicate year) was removed and site is no longer being used as an illegal dumpsite.
 Pending Cleanup (indicate site was assessed and removed, and await cleanup)

(MM/DD/YY): _____

Conditions of Illegal Dump Site (check one)
 Buried Waste Surface Waste Surface and Buried Waste

Site Characteristics:
 Surface area (estimate of acres) _____
 Surface Volume (Cubic yards) (1 yd = 27 cu ft) _____
 Surface Volume (Cubic yards) (1 yd = 27 cu ft) _____

Waste Characterization of Illegal Dumpsites:
 Household Trash
 Appliances and white goods
 Electronic waste (e-waste) (TVs, computers, washing with a cord attached)
 Construction and demolition waste (bricks, roofing shingles, lumber, bricks, concrete, rebar)
 Furniture
 Tires or auto waste
 Abandoned automobiles
 Abandoned trailers
 Hazardous waste
 Medical waste
 Animal carcasses
 Containers of unknown hazardous contents
 Fluorescent light bulbs or CFL
 Stove tops
 Lead acid batteries
 Sump pits
 Sewage sludge/septic tank pumpings
 Suspended asbestos or lead containing materials
 Suspended RCRA, Subtitle C hazardous waste (thermal oxid, water, oil/water)
 Waste oil or oily wastes
 Other (define) _____

Average Rainfall Frequency: (reference provided from <http://www.nmrc.state.nm.us/arc/arcmain.htm>)
 Low (<12 in/yr)
 Medium (12-18 in/yr)
 High (>18 in/yr)

Site Drainage and Leachate Potential: (Indicate in water receiving area a dumpster vehicle, if not collected, can cause natural water runoff)
 Site drainage prevents ground or surface water
 Limited ponding, drainage effects are largely neutral
 Site drainage increases ground or surface water contamination

Flooding Potential:
 No potential for flooding
 Debris may occur from flooding (unlikely)
 Debris may occur from flooding (likely)

Frequency of Burning:
 Burning does not occur
 Burning less frequently than weekly
 Burning more frequently than weekly

Fenced Site:
 Yes
 No

Controlled Access:
 Effectively controlled access
 Ineffective controls or poorly restricted access
 Unrestricted access

Public Concern:
 No concern voiced
 Little concern voiced by Tribal members
 Concern frequently voiced by Tribal members

Proximity Factors

Vertical Distance to Drinking Water Aquifer (check one, if applicable)
 Greater than 600 feet
 21 - 599 feet
 Less than 50 feet

Horizontal Distance to Surface Water Bodies (check one, if applicable)
 Greater than 1,000 feet
 50 - 999 feet
 Less than 50 feet

Distance to Homes (check one)
 Greater than 1,000 feet
 1,000 - 4,999 feet
 Less than 1,000 feet

General Description (Include description of items to get to the site from a leave location)

Comments

Assessment Taken (First and Last Name of those assessing the illegal dumpsite)



Abatements: before and after photos San Felipe



Abatements: before and after photos San Felipe



Pueblo de Cochiti



Santo Domingo Tribe: before and after photos



Santo Domingo Tribe: before and after photos



Collected



NM RAID PROJECT

HAUL WEIGHTS

San Felipe		Cochiti		Santo Domingo	
date	weight (tons)	date	weight (tons)	date	weight (tons)
1/20/2016	1.93	1/22/2016	3.54	1/29/2016	1.24
1/20/2016	1.01	1/22/2016	2.21	1/29/2016	1.71
1/21/2016	5.43	1/22/2016	0.87	1/29/2016	1.57
1/21/2016	2.42	1/25/2016	1.69	1/29/2016	1.92
1/21/2016	2.26	1/25/2016	7.8		
Total	13.05	Total	16.11	Total	6.44
	26,100 pounds !!		32,220 pounds!!		12,880 pounds!!
Total Tonnage - all three locations		35.6		71,200 pounds of material!	

Education and Outreach

► "Respect Our Pueblos...Only You Can Prevent Illegal Dumping!"

Respect Our Pueblos



ONLY YOU CAN HELP PREVENT ILLEGAL DUMPING



A partnership between Santo Domingo Tribe, Pueblo de Cochiti, and San Felipe Pueblo to strategize to curb illegal dumping

Support for this project comes from the New Mexico Environment Department Solid Waste Bureau's NM RAID Grant.

Respect Our Pueblos



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Illegal Dumping Awareness Week (Spring/Summer 2016)



Next Steps to Implement Campaign

- ▶ Continuation of our partnership to initiate an educational campaign and prevention program by identifying local resources and forming partnerships to help change the cultural mindset with innovative solutions.
- ▶ GOALS:
 - ▶ Apply for future funding - USEPA, NM RAID, USDA, other opportunities
 - ▶ Re-develop the campaign images, "putting a face/name" to our images
 - ▶ Looking to rent billboards between SD and SF to promote our campaign
 - ▶ Work with IAIA Cinematography majors to develop a PSA
 - ▶ Outreach materials to promote the importance of proper solid waste management
 - ▶ Digital story workshops
 - ▶ Continue to build the capacity of our partnership
 - ▶ Gain more support from neighboring Pueblos, Nations, and Tribes



QUESTIONS???