



Monument Valley, Arizona, Processing Site

COMMUNITY INVOLVEMENT PLAN

**U.S. Department of Energy
Office of Legacy Management
Monument Valley, Arizona, Processing Site**

January 2019

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Section 1.0: Overview

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) developed this *Community Involvement Plan* (CIP) to facilitate communication and encourage community involvement within Navajo Nation communities surrounding the Monument Valley, Arizona, Processing Site (Site). LM will use the community involvement activities outlined in this plan to ensure community members in Monument Valley and Cane Valley are informed and provided opportunities to be involved.

LM plans to support public awareness of the Monument Valley site through the following activities:

- Informing the public about current and planned activities related to the site
- Educating the public about site activities
- Providing public access to site information, reports, and other documents
- Promoting use of the LM internet as a source of information

LM will foster communication with Site stakeholders by:

- Participating in regular meetings with stakeholders
- Sharing information
- Remaining open to all input and suggestions

Multiple information sources were used to develop this plan, including community interviews and feedback, site files, and community meeting records.

Section 2.0: Site Overview

2.1: History of the Monument Valley, Arizona, Processing Site

The Site is located on the Navajo Reservation in northeastern Arizona, approximately 15 miles south of Mexican Hat, Utah, on the west side of Cane Valley. A uranium-ore processing mill operated at the site from 1955 to 1968 on property leased from the Navajo Nation. The mill closed in 1968, and control of the site reverted to the Navajo Nation. Most of the mill buildings were removed shortly thereafter.

Uranium was first discovered in 1942 approximately 0.5 mile west of the site. From 1955 until 1964, ore at the site was processed by mechanical milling using an upgrader, which crushed the ore and separated it by grain size. The finer-grained material, which was higher in uranium content, was shipped to other mills for chemical processing. Coarser-grained material was stored on-site and later reprocessed at the site through a sulfuric acid batch leach process that was used at the mill from 1964 until 1968.

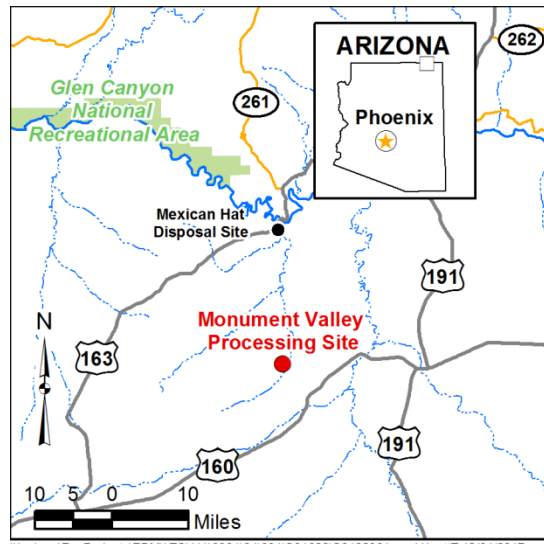
The milling process also produced radioactive mill tailings, a predominantly sandy material. Source materials and other site-related contamination were removed during surface remediation at the site from 1992 through 1994. All contaminated materials from the Monument Valley processing site were transported north (approximately 15 miles) and encapsulated in the Mexican Hat, Utah, Disposal Cell. However, analyses of sub-pile soil samples (samples collected beneath the “footprint” of the former tailings piles) at the site indicate contaminants in these soils may be a continuing source of groundwater contamination. Ammonium in the sub-pile soil can degrade and contribute to nitrate contamination in groundwater.

Regulatory Setting

The Uranium Mill Tailings Radiation Control Act (UMTRCA) of 1978 (42 USC §7901, as amended) provides regulations for the remediation (or reclamation) and long-term care of uranium mill tailings under either Title I or Title II of the act. Title I addresses former uranium milling sites that were unlicensed as of January 1, 1978, and essentially abandoned. Title II addresses uranium milling sites under specific license as of January 1, 1978. In both cases, the licensing agency is the U.S. Nuclear Regulatory Commission (NRC), or in the case of certain Title II disposal sites, an Agreement State. The Monument Valley processing site is regulated under Title I of UMTRCA. The state of Arizona is an Agreement State. However, the Site is located on Navajo Nation land, which precludes state jurisdiction.

LM is responsible for the custody and long-term care of the Monument Valley site.

2.2: Site Description and Location



Location of the Monument Valley, Arizona Processing Site

The Monument Valley processing site is located on the Navajo Reservation in northeastern Arizona, approximately 15 miles south of Mexican Hat, Utah, on the west side of Cane Valley. Luke Yazzie discovered uranium in the area in 1942. Vanadium Corporation of America operated the Monument No. 2 Mine, located approximately 0.5 mile west of the Site. The Monument No. 2 Mine produced more uranium than any other mine in Arizona and provided ore to the processing site. Strip mining and underground mining were conducted at the Monument No. 2 Mine from 1943 until the mill closed in 1968.

Before 1955, there was no mill at the site and all ore was hauled to uranium mills in Durango and Naturita, Colorado. Mill operations began at the Monument Valley site in 1955. From 1955 through 1964, the mill was a mechanical separator. In this operation, ore was crushed and sorted by grain size. The finer-grained material, which was higher in uranium content, was shipped off-site for chemical concentration at the Durango and Naturita mills. (No chemicals were used at the site other than minor amounts of flocculants. However, large amounts of water were used to separate the fine- and coarse-grained materials. The coarser-grained material remained on the site and was piled in the areas identified as former mill and old tailings. The water came from on-site wells drawing from the De Chelly Formation.

Batch leaching equipment was installed in 1964. This process continued for approximately three years, during which time approximately 1 million tons (900,000 metric tons) of sandy tailings were processed (approximately 900 tons, 1,800 metric tons per day). A separate heap leaching operation was used on an additional 100,000 tons (90,000 metric tons) of low-grade ore

The mill site was leased from the Navajo Nation until 1968, when the mill closed and the lease expired. Control of the site, structures, and materials reverted to the Navajo Nation at that time. The mill buildings and milling equipment were removed sometime after 1968 when site processing operations ceased. Little or no site activity occurred until 1992, when removal of the tailing piles, windblown tailings, concrete foundations, and debris from the site began. Approximately 1.3 million dry tons of contaminated materials were removed from Cane Valley. These materials were placed in the disposal cell located near Mexican Hat, Utah. The relocation of these materials was completed in January 1994.

A vicinity property, approximately 1 mile (1.6 km) east of the processing site along Cane Valley Wash, was remediated during surface cleanup of the site. This property was the northern frog pond and sections of the old haul road north of the frog ponds. Approximately 15,000 cubic yards (11,000 cubic meters) of contaminated materials were removed. The banks of the pond and low areas of the road had been stabilized by uranium mineralization rock during milling operations.

During 2000 through 2003, a domestic water supply system was installed to provide potable water to all Cane Valley residents. This project was jointly funded through an Interagency Agreement between the Indian Health Service and DOE. The project also consisted of the installation of individual septic systems and electricity distribution. The Navajo Tribal Utility Authority retains responsibility for operation, monitoring, and maintenance of the water supply system.

Section 3.0: Community Background

3.1: Community Profile

The community directly adjacent of the Monument Valley site is located within the Navajo Nation and is within the local governmental jurisdiction of the Oljato Chapter, a local Navajo Nation government entity. According to the U.S. Census Bureau's 2012–2016 American Community Survey 5-Year Estimates, Monument Valley, Arizona, has a population of 216 people and 71 housing units. Of these housing units:

- 40 are occupied housing units
- 31 are vacant housing units
- 72.5 percent are family households
- 47.5 percent are husband–wife family households
- 25 percent are single female head of households
- 0 percent are single male head of households
- 27.5 percent are nonfamily households
- 52.5 percent are households with children under the age of 18
- 10 percent are households with individuals 65 years and older
- The average household size is 3.5
- The average family size is 4.16

Racial makeup is:

- 100 percent Native American
- 100 percent are Navajo tribal group
- 0 percent Hispanic or Latino
- 0 percent Caucasian
- 0 percent two or more races
- 0 percent Asian or Pacific Islander
- 0 percent other races
- 0 percent Black or African-American and American Indian and Alaska Native

Age distribution of the population shows:

- 47.2 percent under the age of 19
- 8.8 percent from 20 to 24
- 13 percent from 25 to 34
- 9.3 percent from 35 to 44
- 11.1 percent are 45 to 54
- 10.6 percent are above the age of 55
- 22.1 is the median age

The median household income in Monument Valley, Arizona is \$18,750. Approximately 76.9 percent of individuals live below the poverty level.

Educational institutions that serve the Monument Valley and Cane Valley communities include:

- Tse'biinidzsigai Elementary School
- Monument Valley Mission School
- Monument Valley High School
- Utah State University Eastern at Monument Valley

Education attainment:

18 to 24 years of age:

- 89.7 percent high school graduate or higher
- 10.3 percent some college
- 0 percent bachelor's degree or higher

25 Years or older:

- 15.8 percent less than high school graduate
- 36.8 percent high school graduate
- 37.9 percent some college, no degree
- 9.5 percent associate's degree
- 0 percent bachelor's degree
- 0 percent graduate or professional degree

3.2: Community Involvement

Remedial action began at the Monument Valley processing site in 1992 and was completed in 1994. DOE's involvement with the Navajo Nation continues today with participation in technical meetings, community open houses, and other outreach events. It is mission critical for LM to work and collaborate with affected communities to ensure their health and the environment are protected. In-person meetings are opportunities for LM to gather with stakeholders to discuss and address their concerns

relating to ongoing groundwater remediation activities, technical studies conducted on behalf of tribal agencies, and any potential community impacts.

Under a cooperative agreement, LM works with the Navajo Nation Abandoned Mine Lands (AML) Reclamation/Uranium Mill Tailings Remedial Action (UMTRA) Department to conduct long-term surveillance and maintenance at the four Navajo Nation sites in Monument Valley and Tuba City, Arizona; Mexican Hat, Utah; and Shiprock, New Mexico, to ensure community and environmental safety. LM also works with a variety of departments within the Navajo Nation government to help identify and protect cultural resources.

In 2007, Congress directed DOE and other federal agencies including the U.S. Environmental Protection Agency (EPA), Bureau of Indian Affairs, U.S. Department of Health and Human Services, NRC, and the Center for Disease Control to work collaboratively with the Navajo Nation to address uranium issues on the Navajo Nation through a Five-Year Plan Community Outreach Network.

Along with the Five-Year Plan Community Outreach Network, a Tribal Intergovernmental Relations group, composed of LM, Hopi, and Navajo counterparts was created to elevate community outreach and engagement with the Hopi and Navajo communities. The group was designed to provide tribal information sharing and to understand the lines of communication between all tribal and government entities.

In June 2016, LM and its contractor, Navarro Research and Engineering, Inc., opened an outreach office in Window Rock, Arizona. The Window Rock outreach office provides a place for the public to learn about LM and the sites on the Navajo Nation, the Navajo Nation Five-Year Plan, and the work being conducted to address uranium issues within the Navajo Nation. It provides community outreach and coordination assistance to LM, Navajo Nation leadership, and coordinating tribal programs, and offers public affairs services to affected tribal communities.

3.3: Outreach Events associated with the Navajo Nation

In recent years, LM has attended, participated in, and/or led the following outreach events to support outreach efforts related to the Navajo Nation sites:

2014

- December 5-6: Discovery Festival, Farmington, New Mexico
- December 12-14: Monument Valley, Utah, Balloon Festival

2015

- February 18: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange
- March 24-26: Navajo Land Summit II, Twin Arrows, Arizona
- May 1-2: Shiprock, New Mexico, Marathon
- May 26: Developing Productive Tribal Government and Community Relations Training
- May 28-29: San Juan Mining and Reclamation Conference (presentation), Telluride–Mountain Village, Colorado
- June 3-4: Traditional Law and Cultural Awareness Training, Grand Junction, Colorado

- June 24: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange
- July 2: Tuba City, Arizona, Chapter House Planning Meeting (presented to Chapter officials)
- September 23-25: LM Tribal Summit
- September 27-30: National Association of AML Programs Conference, Santa Fe, New Mexico
- October 15: EPA Senior Leadership Meeting at Navajo Nation President's Office, Window Rock, Arizona
- October 15-18: Western Navajo Nation Fair, Tuba City, Arizona
- October 16-17: Discovery Festival, San Juan, New Mexico
- October 27: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange
- October 28: Navajo Five-Year Plan Outreach Network Meeting
- November 2: Oljato, Utah, Chapter House Planning Meeting (presented to Chapter officials)
- December 6: Shiprock, New Mexico, Regular Chapter House Meeting (presented to the public)
- December 4-6: Monument Valley, Utah, Balloon Festival

2016

- February 17: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange
- February 18: Tuba City, Arizona, Technical Presentations
- March 9-12: National Environmental Justice Conference and Training Program, Washington, DC
- March 19: Western Agency Chapter Meeting
- March 29-31: Navajo Division of Natural Resources Summit, Flagstaff, Arizona
- April 5: Tuba City, Arizona, Site Tour for Regulators and Agency Officials
- April 6: Tuba City, Arizona, Public Open House and Scoping Meeting
- April 7: Mexican Hat, Utah; and Monument Valley, Arizona, Site Tours for Regulators and Agency Officials
- April 8: Navajo Five-Year Plan Outreach Network Meeting, Monument Valley, Utah
- April 9: Public Open House at Monument Valley, Utah
- August 24: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange
- August 30-September 1: Citizen Participation Training
- September 6-11: 70th Annual Navajo Nation Fair, Window Rock, Arizona
- September 27-October 2: Northern Navajo Nation Fair, Shiprock, New Mexico
- October 7-8: Discovery Festival, San Juan, New Mexico
- October 13-16: Western Navajo Nation Fair, Tuba City, Arizona
- October 17-21: Radiation 101 Training
- October 21: Tuba City, Arizona, Open House and Public Site Tour
- November 15-16: LM, Navajo, and Hopi, Quarterly Meeting and Technical Exchange
- November 17-19: Monument Valley, Utah, Balloon Festival
- December 9: Shiprock, New Mexico, Christmas Parade of Lights

2017

- January 24 and 26: Presented with Navajo Nation AML/UMTRA at Diné College campuses in Tsaile, Arizona, and Shiprock, New Mexico
- January 25: Window Rock, Arizona, Open House with Navajo Nation Council Delegates
- February 27: Governance Conference, Albuquerque, New Mexico
- February 27: Health Education and Human Services Committee Meeting, Window Rock, Arizona
- March 1: LM, Navajo, and Hopi Quarterly Meeting and Technical Exchange, Flagstaff, Arizona
- March 24: Navajo Five-Year Plan Outreach Network Meeting, Window Rock, Arizona; Shiprock, New Mexico
- March 25: Shiprock, New Mexico, Fun Run and Site Tour
- April 11: Eastern Agency Abandoned Uranium Mines Open House, Gallup, New Mexico
- April 12: Navajo Utah Commission Presentation, Mexican Water, Utah
- April 15: Tuba City, Arizona, Site Tour for Shonto Middle School Students
- April 27-28: Tuba City, Arizona, Site Tour for Tuba City Middle School Students
- May 1: Navajo Utah Commission Presentation, Window Rock, Arizona
- May 8-12: LM Director Navajo Nation UMTRCA Sites Visit, Arizona, Colorado, New Mexico, Utah
- July 24-26: LM, Navajo, and Hopi Quarterly Meeting, Grand Junction, Colorado
- July 20-22: Youth Day at the Boys and Girls Club and Parade, Crownpoint, New Mexico
- September 5-10: 71st Annual Navajo Nation Fair, Window Rock, Arizona
- September 21-23: American Indian Science and Engineering Society Conference, Denver, Colorado
- October 5-10: Northern Navajo Nation Fair, Shiprock, New Mexico
- October 12-15: Western Navajo Nation Fair, Tuba City, Arizona
- October 18-19: Tuba City, Arizona/Moenkopi Open House and Site Tour
- November 7-8: LM, Navajo, and Hopi Quarterly Meeting, Shiprock, New Mexico
- November 15-17: Navajo Nation Division of Natural Resources Summit, Flagstaff, Arizona
- November 17-18: Monument Valley Balloon Festival, Monument Valley, Utah
- December 4: Keshmish Tree Lighting Ceremony, Window Rock, Arizona

2018

- January 3: Oljato, Utah, Chapter House Planning Meeting (presented to Chapter officials)
- January 7: Oljato, Utah, Regular Chapter House Meeting (presented to the public)
- January 8: Kayenta, Arizona, Kayenta Township Meeting (presented to the Commission and public)
- January 25: Diné Uranium Remediation Advisory Commission (DURAC) Meeting, Tse Bonito, New Mexico
- January 30: Coconino County Supervisor Meeting, Flagstaff, Arizona
- February 5: Dennehotso, Arizona, Chapter House Planning Meeting (presented to Chapter officials)

- February 10: Navajo YES Lower Colorado Marathon AML/UMTRA Outreach, Cameron, Arizona
- February 11: Dennehotso, Arizona, Regular Chapter House Meeting (presented to public)
- March 7-8: LM, Navajo, Hopi Quarterly Meeting and Technical Exchange, Tuba City, Kykotsmovi, Arizona
- March 14: STEM-sation Day Outreach, Shiprock High School, Shiprock, New Mexico
- March 17: Restoring K'é Conference 2018, Shiprock Youth Center, Shiprock, New Mexico
- March 29: DURAC Meeting, Cove, Arizona
- April 5: STEM-sation Day Outreach, Greyhills Academy High School, Tuba City, Arizona
- April 8: Oljato, Utah, Regular Chapter House Meeting (presented to the public)
- April 14-15: Mexican Hat and Monument Valley, Utah, Community Information Meetings
- April 25: Diné College 50th Anniversary STEM Fest, Diné College, Tsaile, Arizona
- April 25-27: National Environmental Justice Conference, Washington, DC
- May 4: Shiprock, New Mexico, Marathon
- May 8-10: Navajo AML/UMTRA OSM Coal Field Communications Training, Window Rock, Arizona
- May 24: DURAC Meeting, Blue Gap Chapter House, Blue Gap, Arizona
- June 26-27: LM, Navajo, Hopi Quarterly Meeting and Technical Exchange, Flagstaff, Arizona
- June 28: DURAC Meeting, Mariano Lake, New Mexico
- September 5-8: Navajo Nation Fair
- October 3-6: Northern Navajo Nation Fair
- October 11-13: Western Navajo Nation Fair

3.4: Outreach Materials

LM provides informational materials at Navajo Nation outreach events, including:

- Site fact sheets
 - Monument Valley, Arizona, Processing Site
 - Mexican Hat, Utah, Disposal Site
 - Shiprock, New Mexico, Disposal Site
 - Tuba City, Arizona, Disposal Site
 - Tuba City Uranium Ore Deposit Formation in the Tuba City, Arizona, Area
 - Window Rock, Arizona, Navajo Nation Community Outreach Network Office (draft)
- Community information sheets
 - Monument Valley, Arizona, Processing Site
 - Mexican Hat, Utah, Disposal Site
 - Shiprock, New Mexico, Disposal Site
 - Tuba City, Arizona, Disposal Site
- Energy Ant coloring book
- Gamma Goat coloring book
- LM overview brochure

- LM Sites on Navajo Nation Land brochure
- LM *Strategic Plan* brochure
- Uranium and Radiation on the Navajo Nation Agency Resource List
- LM Video detailing the work conducted on the Navajo Nation
- Window Rock, Arizona, Outreach Office Map
- Working with the Navajo Nation fact sheet
- Uranium and Radiation on the Navajo Nation Resource List 2018
- Children’s Brochure about LM

Section 4.0: Community Concerns

Through a series of informal interviews and discussions, community meetings, and open houses, tribal community members and officials (tribal programs staff and Navajo Chapter representatives) from the Navajo Nation expressed the following concerns related to the Monument Valley processing site:

- Site-related contamination of groundwater is affecting the tribal community’s drinking water
- Site is contributing to cancer within the tribal communities
- Radioactive dust is blowing off the site and into the communities
- Housing near the site is contaminated
- Community Information Meetings are a challenge to attend

4.1: Response to Community Concerns

LM has conducted the following most-recent community involvement activities directly responding to community concerns:

- April 15, 2018, Monument Valley Community Information Meeting

At this community involvement event, information was shared with the community about the status of the groundwater contamination plume and status of site monitoring activities. The LM site manager and LMS staff provided information on the location and characteristics of the contamination plume, with the assurance that contamination is not affecting drinking water because water is supplied from an uncontaminated source.

4.2: Summary of Communication Needs

Community members have said their communication needs should be addressed through meeting notices provided at the Oljato Chapter House and local business community information boards, published in local newspapers, and aired on KTNN (Navajo) AM radio station. Tribal community members also expressed their desire to have public events held on non-payday weekends when community members are more likely to attend meetings, and to present and receive community feedback at Chapter planning meetings and Chapter meetings.

Section 5: Community Involvement Strategy

The goals of this strategy are to facilitate communication between community members and LM, and to provide opportunities for meaningful and active involvement by the Navajo people in Monument Valley processing site activities. The strategy is based on feedback from community involvement interviews, previous community meetings, and comments received from local officials.

5.1: Community Involvement Activities

1. Information on current and proposed site activities.	
<i>Activity 1A: Present information at Oljato Chapter meetings.</i>	
Objective:	Present information regarding site activities (i.e., water monitoring and sampling, results and data, future site activities).
Method:	LM representatives will present updates at Oljato Chapter meetings. Tools may include presentations, site information fact sheets, and the LM website address for detailed site information.
Timing:	Semiannually.
<i>Activity 1B: Conduct open houses and site tours.</i>	
Objective:	LM site manager and staff will provide in-depth information to community members about site activities and the scientific and engineering rationale for activities.
Method:	Host semiannual open houses at community meeting locations (i.e., Chapter House, local high school).
Timing:	Annually, in the late spring, additional open house events will be conducted to support site activities. TBD

2. Timely outreach and information on community meetings, site open houses, and site tours.	
<i>Activity 2A: Post fliers in public locations about upcoming community meetings, site open houses, and site tours.</i>	
Objective:	Post information about community meetings, site open houses, and site tours.
Method:	Post meeting information at the Oljato Chapter House public information board; U.S. Post Office; local businesses; and tribal, state, and federal offices. Conduct door-to-door visits in Cane Valley.
Timing:	As needed.

<i>Activity 2B: Advertise on local radio stations, tribal newspapers, and newsletters.</i>	
Objective:	Provide public service announcements on community meetings, quarterly updates, site open houses, and site tours.
Method:	Contact KTNN, place information ads in the <i>Navajo Times</i> with information announcing upcoming community meetings, quarterly updates, site open houses, and site tours. Establish a site point of contact for follow-up purposes.
Timing:	15 days and five days prior to site meetings, open houses, and site tours.
2. Timely outreach and information on community meetings, site open houses, and site tours. (continued)	
<i>Activity 2C: Mail informational post cards.</i>	
Objective:	Mail informational postcards detailing upcoming community meetings, quarterly updates, site open houses, and tours.
Method:	Collect physical mail and email addresses from community members during community meetings, quarterly updates, site open houses, and site tours for distributing information announcing upcoming community meetings, quarterly updates, site open houses, and site tours.
Timing:	15 days prior to planned community meetings, quarterly updates, site open houses, and site tours.

3. Make times and dates for site open houses and site tours more accessible for members of the community.	
<i>Activity 3A: Work with community leadership and community members to determine optimal date, time, and location for community meetings, site open houses, and site tours.</i>	
Objective:	Determine the best time frame to conduct community meetings, site open houses, and site tours.
Method:	Poll community leaders and community members during Chapter meetings (engage with Chapter House coordinator to schedule) and outreach events to determine the best time frame for conducting community meetings, site open houses, and site tours. Coordinate community meetings with scheduled events and gatherings in the community.
Timing:	Conducted during Chapter House quarterly updates, informal polling within the community.

4. Address community concerns that contaminated groundwater plume is impacting community water, including a location identified as the “Frog Ponds,” and Well #0625.	
<i>Activity 4A: Provide information on contaminated groundwater plume location and movement history.</i>	
Objective:	Inform community about the site’s groundwater contamination, plume movement history, and the site’s hydrology and geology.

Method:	LM site manager and technical staff presentations at community meetings, quarterly updates, site open houses, and site tours. Give presentations illustrating the location and depth of the contamination, plume movement history, site hydrology, and geology.
Timing:	Semiannually in the spring and fall.

4. Address community concerns that contaminated groundwater plume is impacting livestock drinking water.	
<i>Activity 4A: Provide information on contaminated groundwater plume location and movement history.</i>	
Objective:	Inform community about the site’s groundwater contamination, plume movement history, and the site’s hydrology and geology. Discuss location of the plume in relation to the hand-dug well and identify uncontaminated groundwater locations.
Method:	LM site manager and technical staff presentations at community meetings, quarterly updates, site open houses, and site tours. Give presentations illustrating the location and depth of the contamination, plume movement history, site hydrology, and geology.
Timing:	Semiannually in the spring and fall.

5. Address community concerns that radioactive dust is contributing to cancer in the community.	
<i>Activity 5A: Provide joint information and presentations from the Agency for Toxic Substances and Disease Registry, Indian Health Service, and LM on cancer, indeterminate causes for cancer, and site cleanup and monitoring activities reducing community’s exposure to radioactive dust.</i>	
Objective:	Inform community of indeterminate causes of cancer. Provide information on site activities that reduce the community’s exposure to radioactive waste. Foster informational community dialogue involving multiple federal and tribal agencies and programs on community concerns, and identify health resources available to community members. The information can explain the lack of exposure pathways and the low-level nature of the tailings wastes if they are encountered. The key is increasing awareness and understanding of actual risks and how to personally mitigate or avoid them, such as avoiding restricted water or livestock water for drinking, staying out of mines, and reporting suspicious areas to Navajo EPA or other agencies.
Method:	This discussion may be included in community meetings, Five-Year Plan agency meetings, quarterly updates, site open houses, and site tours, or it may be conducted at a community meeting designed to specifically address this community concern.
Timing:	Ongoing.

6. Address community recommendation that all outreach materials need to have a cultural connection to community for better interpretation and understanding.	
<i>Activity 6A: Provide the site leads/site managers expertise on culturally appropriate outreach materials regarding the four former uranium mill processing sites.</i>	
Objective:	Inform community about the site’s groundwater contamination, plume movement history, and the site’s hydrology and geology in all outreach materials, while being culturally sensitive to community interpretation.
Method:	This discussion may be exchanged between all site leads and managers for the four former uranium processing sites, community members, tribal officials, and the Navajo Nation Community Outreach Network Office located in Window Rock, Arizona.
Timing:	Ongoing.

5.2: Community Involvement Activities Time Frame Summary

Activity	Time Frame
Chapter House update meetings	Held semiannually; To be determined
Site open houses and site tours	Held in early fall and late spring
Announcements of meetings, open houses, and site tours	Distributed/published 15 days and five days prior to activity date(s)
Meetings to address community concerns related to cancer	To be determined

5.3: Community Notification

As part of DOE's ongoing efforts to reach out to the Monument Valley community, it is vital that federal, tribal, and contractor personnel's public interaction, such as door-to-door visits to community homes or businesses, is conducted in a safe manner. The following guidelines ensure safety remains the number one priority when conducting outreach to the Shiprock community:

- Attend Chapter House regular meetings to notify community members and tribal members of DOE activities, as well as answer questions about upcoming site work
- Produce and post outreach flyers at public places, including the chapter house and area businesses in nearby Mexican Hat
- Post temporary announcement signs about site work along roadsides near the processing site
- Produce door hangers, which communicate a clear description of the work that will be performed, and distribute to area residents in person or leave on the door
- Conduct door-to-door outreach with no fewer than two staff members, including one member who is fluent in Navajo, if possible
- Exercise situational awareness before approaching homes; do not approach or enter if it doesn't seem safe. During door-to-door notifications, keep a record of which homes are contacted and when, the result of that contact effort, and resident feedback. This record is to be provided to the Public Affairs Manager and the Site Lead, for distribution.

Appendix A: LM Regional Contacts

Acting Environment Team 1 Leader	Art Kleinrath U.S. Department of Energy Office of Legacy Management 2597 Legacy Way Grand Junction, CO 81503 (970) 248-6034
Mexican Hat Site Manager	Angelita Denny U.S. Department of Energy Office of Legacy Management 2597 Legacy Way Grand Junction, CO 81503 (970) 248-6621
Public Participation Specialist	Karen Edson U.S. Department of Energy Office of Legacy Management 11035 Dover St. Westminster, CO 80021 (202) 631-5417
Public Affairs Specialist <i>Navarro Research and Engineering, Inc.</i>	Milton Bluehouse Jr 47552-D State Highway 264 Window Rock, Arizona 86515 (928) 810-2101
Outreach Liaison <i>Navarro Research and Engineering, Inc.</i>	Milton Bluehouse Jr 47552-D State Highway 264 Window Rock, Arizona 86515 (928) 810-2101
Site Lead <i>Navarro Research and Engineering, Inc.</i>	Cecylia Wentz 2597 Legacy Way Grand Junction, CO 81503 (970) 248-6235

Appendix B: Navajo Nation Government

Navajo Nation President	Jonathan Nez, Navajo Nation Office of the President P.O. Box 7440 Window Rock, AZ 86515 (928) 871-7000
Navajo Nation Vice President	Myron Lizer, Navajo Nation Office of the President P.O. Box 7440 Window Rock, AZ 86515 (928) 871-7000
Navajo Council Delegate	Herman Daniels, Council Delegate Navajo Nation Council P.O. Box 3390 Window Rock, AZ 86515 (928) 871-7160
Oljato Chapter President	James Adakai P.O. Box 360455 Monument Valley, UT 84536 (435) 727-5850
Oljato Chapter Vice President	Albert Holiday P.O. Box 360455 Monument Valley, UT 84536 (435) 727-5850
Navajo AML Reclamation/ UMTRA Program Department	Madeline Roanhorse, Program Manager III P.O. Box 1875 Window Rock, AZ 86515 (928) 871-6982
Navajo AML Reclamation/UMTRA Program Department	Cortasha Upshaw, Senior Information Officer P.O. Box 1875 Window Rock, AZ 86515 (928) 871-6982
Navajo Nation EPA	Dr. Donald Benn, Executive Director P.O. Box 339 Window Rock, AZ 86515 (928) 871-7692
Diné Uranium Remediation Advisory Commission (DURAC)	Diné Uranium Remediation Advisory Commission (DURAC) P.O. Box 7440 Window Rock, AZ 86515 (928) 871-7186

Appendix C: Elected County, State, and Federal Officials

Governor of Arizona	Doug Ducey, Office of the Governor 1700 West Washington Street Phoenix, Arizona 85007 (602) 542-4331
Senator	Jon Kyl G12 Dirksen Senate Office Building Washington, DC 20510 (202) 224-2235
Congressional Representative	Tom O'Halleran, District 1 126 Cannon House Office Building Washington, DC 20515 (202) 225-3361
County Supervisor	Lena Fowler, District 5 219 E. Cherry Ave Flagstaff, AZ 86001 (928) 679-7751

Appendix D: Environmental, Active Citizens Groups, Tribal Government Commission

Southwest Research and Information Center	105 Stanford SE P.O. Box 4524 Albuquerque, NM 87106 (505) 262-1862
Forgotten People Community Development Corporation, Inc.	P.O. Box 1289 Tuba City, AZ 86045 (928) 640-6110
Diné C.A.R.E. – Citizens Against Ruining our Environment	10A Town Plaza, Suite 138 Durango, CO 81301 (970) 759-1908
Sacred Water Speaks (To’ Nizhoni Ani)	P.O. Box 657 Kykotsmovi, AZ 86039 (928) 265-9459
Black Mesa Coalition	408 E. Route 66 Flagstaff, AZ 86002 (928) 213-5909
Haul No!	stopcanyonmine@gmail.com

Appendix E: Media Contacts

<i>Navajo Times</i>	P.O. Box 370 Window Rock, AZ 86515 (928) 871-1130
<i>Associated Press</i>	Felicia Fonsca, Reporter Twitter: @FonsecaAP
AM Radio–KTNN	Public Service Announcements (928) 871-3553 Webmaster@ktnnonline.com

Appendix F: Meeting Locations

Oljato Chapter House
P.O. Box 360455
Monument Valley, UT 84536
(435) 727- 5850

Monument Valley High School
100 Cougar Ln,
Oljato-Monument Valley, UT 84536
(435) 678- 1208

Monument Valley Visitors Center
P.O Box 360289
Monument Valley, Utah 84536
(435) 727-5870
