

#NOARSENI4HOPI
aka For Love of Water

Ernest Taho

Black Mesa Trust Liaison

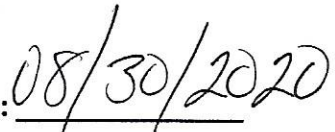
Hopi Water Filter Project

August 30, 2020

Submitted by:

 Ernest Taho

Date:

 08/30/2020

Black Mesa Trust (Non-Profit)

Mr. Vernon Masayesva CEO/FOUNDER (Primary Contact)

P.O. Box 333

Kykotsmovi, AZ 86048

Phone #: (928) 255-2357

Email: KUUYI@AOL.COM

Ernest Taho (Project Manager)

P.O. Box 676

Polacca, AZ 86042

Phone: (602) 628-4556

Email: etaho4444@gmail.com

Project Summary

To supply water filter units to the homeowners on both the Hopi and Navajo Reservations in Northern Arizona due to high levels of contaminants such as Arsenic 3 & 5, Uranium and Vanadium in the First Mesa Villages, Second Mesa Villages and Moenkopi Villages on the Hopi Reservation, as well as in the White Cone, Indian Wells, Dilcon, Leupp and other areas on the Southern Region of the Navajo Reservation in Arizona.

Narrative

In late October of 2017, the Black Mesa Trust Organization formed the **#NOARSENIC4HOPI** project to address the long going issue of drinking contaminated water in the First and Second Mesa areas as well as to address the Uranium plume in the waters of Moenkopi, AZ from the Uranium Tailings Disposal site (**Rare Metals**) just North of the villages. The waters in these areas contain high levels of Arsenic 3 & 5, Uranium and Vanadium. It was not until 2001 when the Environmental Protection Agency dropped the National EPA standards for Arsenic from 0.50 part per billion (**PPB**) to 0.10 parts per billion, the Hopi Tribe has since been out of compliance of the Clean Water Act. The Hopi Tribe had begun to address this issue with other Governmental and Tribal Agencies such as the Environment Protection Agency, Bureau of Indian Affairs, Indian Health Services as well as the Village Administrators. Together they planned and organized a water pipeline project called the **H.A.M.P.** Project (Hopi Arsenic Mitigation Project), to bring clean drinking water from the Turquoise Trail area 15 miles North

of First and Second Mesa's. Unfortunately, due to political litigations and financial issues between the entities mentioned, the H.A.M.P. project did not progress forwardly as planned.

The element **Arsenic (As)** is listed as #33 in the periodic table with an atomic weight of 74.922 and has two form types, **Arsenic 3** (Arsenite) and **Arsenic 5** (Arsenate) with Arsenic 3 being more toxic of the two and much smaller in size to Arsenic 5. These elements have been known to cause many types of health issues like non-cancerous effects such as cardiovascular, pulmonary, immunological, neurological and endocrine effects as well as several types of cancerous effects such as skin, lung, nasal passages, bladder and prostate cancer. **Vanadium (V)** is a rare, soft, ductile gray-white element that is never unbounded in nature, it usually occurs in 65 different minerals and is listed as #23 in the periodic table with an atomic weight of 50.942. It too has serious health affects with high levels and longevity of consumption such as cardiac and vascular disease, inflammation of stomach and intestines, damage to nervous system, severe trembling, paralyses and behavioral changes but mostly it will depend on what the oxidic state the Vanadium is in. As for the Uranium, we all know that radiation at any level is not good. So, we at Black Mesa Trust felt it is a much-needed project to give the Hopi communities clean water. It was in October of 2017 when Black Mesa Trust joined forces with Ted Mahr and The Clean Water Foundation which would become our primary source in obtaining the water filters as well as helping to raise funds. It was in March of 2018 when The Doctor Emoto Peace Project and the Natural Choice Network also became involved with fund raising and the Out of this World Radio Show is one of our sources for media outreach the other is the Natural Choice Network. Today the project has so far raised enough funds to purchase 175 units (Double/Single) and one Solar Unit for the Hopi Tribe from a \$30,000 donation. We have now added the Southern Navajo Nation Area which includes White Cone, Indian Wells, Dilcon, Leupp and other areas on the Southern end of the Navajo Nation. We are also still organizing other ways to raise funds to cover both the Navajo and Hopi Nations as well as obtaining more data on these areas. We are still far from completion but with the help of donations to this long-term project great things can be accomplished.

#NOARSENIC4HOPI

Estimated Budget

HOPI NATION

AREA	# HOMES / SCHOOLS	FILTER TYPE	RETAIL PRICE	DISCOUNT PRICE	TOTAL
FIRST MESA	580	DOUBLE UNIT	\$600.00	\$250.00	\$145,000.00
* FIRST MESA HEADSTART	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
* FIRST MESA ELEMENTARY	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
SECOND MESA	435	DOUBLE UNIT	\$600.00	\$250.00	\$108,000.00
* SECOND MESA ELEMENTARY	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
Moenkopi	250	DOUBLE UNIT	\$600.00	\$250.00	\$62,500.00
MOENKOPI HEADSTART	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
					\$317,500.00

* Note – Schools must have approval from School Board

NAVAJO NATION

AREA	# HOMES / SCHOOLS	FILTER TYPE	RETAIL PRICE	DISCOUNT PRICE	TOTAL
JEDDITO ELEMENTARY	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
WHITE CONE	550	DOUBLE UNIT	\$600.00	\$250.00	\$137,500.00
WHITE CONE HIGH SCHOOL	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
INDIAN WELLS ELEMENTARY	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
DILCON COM. SCHOOL	1	DOUBLE UNIT	\$600.00	\$250.00 x2	\$500.00
					\$139,500.00

* Note – Schools must have approval from School Board

Estimated total

\$457,000.00