

JWF Fund 2022- Project Outline

WATER SUPPLY ENVIRONMENT IMPROVEMENT IN MIKINDANI VILLAGE, KENYA

- Organization: Star Awake CBO (#059)
- Location: Mikindani village in Nangwe, Kenya
- Cost: US\$ 2,100 (JWF Fund: US\$ 1,500, Agency: US\$ 100, beneficiaries: US\$ 500)
- Number of direct beneficiaries: 2,250 people
- Background:
 - (1) The only clinic in the target area was closed due to an inability to secure safe water under COVID-19 regulations.
 - (2) Local residents were depending on outdoor water sources for domestic use. This water was heavily polluted, making residents susceptible to disease.
 - (3) The only way to obtain safe water was to buy it at great expense from a distant pipeline (0.25USD per 20L). The situation was quite difficult economically.



Residents drawing water from unsafe sources



Closed medical clinic

- Main activities of the project:
Consultations with stakeholders, construction of 1.5 km water pipeline and kiosks (water supplied by the water corporation), establishment and training of a water use committee consisting of 15 women
- Sustainability activities:
 - To ensure sustainable, long-term benefits, the 15 trained women work in teams of three on a varying daily schedule, to operate, repair, and maintain the piped water system, and to manage the kiosks.
The team sells water to cover the costs of repair and maintenance of the system.

JWF Fund 2022 - Results of Follow-up Observations

WATER SUPPLY ENVIRONMENT IMPROVEMENT IN MIKINDANI VILLAGE, KENYA

【Current situation】

- The 1.5-kilometer piped water supply system installed by JWF Fund 2022 is functioning as planned under Star Awake CBO, providing safe water to 2,250 beneficiaries throughout the year. The only problems have been minor damage to the taps and occasional blockages, but the facility manager plans to repair or replace the taps by the end of February 2025.
- The beneficiaries are using the facility properly and have not faced any problems such as disputes over the facility.
- The facility is managed by a water users' committee of 450 women from poor households and 15 representatives. During implementation of the project, training was also provided, under the management of the water users' committee, in the use of the piped water supply system, repairs and maintenance, operations, and water treatment options.
- To ensure that the facility functions well, the managers work in rotating shifts of three people, taking turns to operate the facility and carry out repairs and maintenance, ensuring the sustainability and long-term benefits of the facility. They sell safe water to the 450 households in Mikindani Village at 25 cents per 20-liter container, keep sales records, use the money to cover the costs of repairing and maintaining the system, and split 75% of the profits from the water sales for their own wages, saving 25% of the profits for expansion of the water pipe system.



Completed kiosk

【Changes】

- Beneficiaries now observe good hygiene practices such as water safety and boiling, chlorination, and sunlight sterilization to ensure that contaminated water from the water source is properly purified before drinking. They also regularly clean their water containers and handle and store water safely.
- In the practice of these hygiene habits, new leaders have emerged among the beneficiaries.
- The incidence of waterborne diseases among beneficiaries has decreased by 65%, saving time, effort and money that would otherwise have been spent on collecting water and treating waterborne diseases, thus enabling them to end poverty and participate in productive activities such as farming.



WASH training participants

【Other Points】

- Through the sales of safe water to each household in the village of Mikin Dani for 25 cents per 20-liter container, the system is financially sustainable, as it generates around US\$1,475 in profits each month, even after deducting monthly repair and maintenance costs.

JWF Fund 2021-Results of Follow-up Observations

WATER SUPPLY ENVIRONMENT IMPROVEMENT IN MIKINDANI VILLAGE, KENYA

Voices of the Beneficiaries (Excerpts)



Mr. Dominic Wekesa, 45 years old

Since the project ended, local residents have ensured the safety of the water source. For example, they thoroughly implemented hygiene measures, such as boiling, chlorinating, and sterilizing the contaminated water with sunlight before drinking it. In addition, they are regularly cleaning their water containers to handle and store the water safely. As a result, water-borne diseases have decreased among local residents, and there have been no water-borne diseases in Minkindani since the safe water kiosks were set up. In addition we have saved time, effort and money spent on fetching water and treating water-borne diseases. We have become healthier and are now able to participate in agricultural and income-generating activities. This has reduced poverty in the community. We now spend less than 5% of our hard-earned income on water and water-borne disease treatments, a it was previously 35%.



Ms. Rose Munialo, Age: 33 years old

Committee members work in groups of three, with each group taking on multiple roles on a given day. By selling safe water to households in the village for 0.025 USD per 20-liter container, the project has secured the necessary funds to operate and maintain the facility. We have also received positive feedback from one of the kiosk users, who said that since the project was completed, they are now able to easily obtain safe water, so they have begun to think more seriously about personal and household hygiene, and they now wash their hands more often and keep their home clean.



Mrs. Hellen Simiyu, Age: 24 years old

I use the facility on a regular basis, and I feel better because I have fewer bouts of diarrhea and stomach pain. In addition, putting into practice what I learned in the WASH training, I always use the safe water from the kiosk installed at my home. I always purify any unsafe water I draw from the water source before drinking it.

Since the project ended, there have been positive changes in my own life and in the lives of my family. The project has increased access to safe water, allowing us to maintain good hygiene in our home and overcome life-threatening waterborne diseases. I and my family are able to invest in agriculture and income-generating activities, thanks to healthier lives and the savings in time, labour and money that we have made from not having to spend time fetching water or treating waterborne diseases.