



KUZUKA
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Enviro-Stewards
Engineers & Scientists

Enviro-Stewards Inc.
is Pleased to Present the Following

Sustainability Credit

to KUZUKA on behalf of **Sustainable Waterloo** for providing 20 m³ of clean drinking water to South Sudan, which avoids approximately 3 tonnes of greenhouse gas emissions resulting from deforestation associated with boiling a portion of this water.

Certified by Bruce Taylor, President, Enviro-Stewards Inc.

Date of Issue

Background: Every year worldwide there are over a million deaths related to unsafe water, sanitation, and hygiene, mainly through infectious diarrhea. Globally, over 1.1 billion people lack access to clean water and sanitation.

In Kajo Keji County, South Sudan, more than 50% of the water sources tested contain E. Coli (171 of 238 sources tested) and more than half of all hospital visits are due to water-related illnesses.

Sustainability Credit: Enviro-Stewards has purchased a BioSand Filter (BSF) to provide clean drinking water in South Sudan in honour of Paul Hutcheson. The BSF will be built and installed in Kajo Keji County, South Sudan, by trained Sudanese staff.

Benefits of BioSand Filters:

- Each BSF provides 60 to 120 L of clean drinking water per day
- Prevents deforestation & the discharge of GHGs associated with burning wood fuel to boil water (estimated at 3 tonnes/year)
- Improves health & productivity in the community
- Provides local employment
- Provides infrastructure to support other income-generating projects (internet cafe, tilapia pond, mango dryer)