



Drinking water purification Malawi, Kenya and Uganda

Essential facts and figures

Project activity	Drinking water purification through chlorination in Malawi, Kenya and Uganda. The programme was registered by the UN in December 2012 as no. 5962.
Project site	Malawi, Kenya and Uganda
Project owner	Pure Water Ltd., fully-owned subsidiary of the South Pole Group
Start date of operation	2015
Project duration	2015 to 2020
Quantity of emission reductions (in tonnes of CO₂)	2 million CERs

Project description

For many households in developing countries, boiling water is the only available way to prepare their drinking water. Using firewood contributes to deforestation, which – next to other negative environmental effects such as a loss in biodiversity – is one of the main origins of greenhouse gas emissions in developing countries.

In Malawi, Kenya and Uganda, wells and springs are fitted with chlorine dispensers, enabling 4 million people to purify their drinking water in a safe and simple manner. Chlorination is one of the most cost-effective and efficient ways to purify drinking water. Studies have shown that this lowers diarrhoea rates – one of the major causes of death for children under 5 in developing countries – by more than 40%. At the same time, every installed chlorine dispenser reduces between 20 and 40 tonnes of CO₂e a year.

Chlorine dispensers are installed only with the approval of the local population. Technicians ensure that they function faultlessly and are regularly restocked. Rigorous and continuous evaluations assess what percentage of households use the chlorine dispensers (as experience shows: 45%) and what percentage of treated water is safe (as experience shows: 90%).

Project status (July 2021)

The planned 27'000 chlorine dispensers have been installed. To date, 855'726 CERs have been delivered, of which 200'000 replacement CERs stemming from another project.

Project owner

The programme is operated by Pure Water Ltd., a 100% subsidiary of the South Pole Group, one of the worldwide leading developers of climate protection schemes. Pure Water works with Evidence Action, a specialist in drinking water treatment using chlorination.

For further information
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