



CCAP SMART Centre



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Malawi
Member of the SMART Centre Group

FIELD REPORT (10-13 MAY 2017)

CCAP SMART CENTRE SAFI/WATER FILTER DISTRIBUTION PROJECT-KARONGA

Introduction

The CCAP SMART Centre Team comprising Aaron Msiska (Technical Project Officer, YEPe) and Mr Lingistic Chimaliro (Procurement and Logistics Officer) visited Karonga from 10-13 May 2017, on a mission to distribute Safi Water Filters to people who were affected by floods in the District. The distribution took place in the Camps where the affected households have been provided with shelter by the Karonga District Disaster Recovery Response "Task Force" under the Karonga District Council (Malawi Government).

A total of 50 water filters were deployed and 43 were distributed in the camps with a total of 1143 beneficiaries. The Distribution was done in collaboration with the Task Force Team comprising of (District Council, Karonga District Hospital, SOLDEV Karonga District Office, World Vision District Office and Red Cross District Office).

The report highlights all the activities that took place.



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Initial Status of the Water in the Camps

An initial water quality test conducted by the District task force in collaboration with UNICEF using H2S Test Kit showed a contamination of the water from all the sample that were taken from the camps Table 1. It is with this background that the CCAP SMART Centre under CCAP Synod of Livingstonia Development Department (SOLDEV) decided to donate the filters to the affected households and also as a corporate social responsibility.

Table1: Initial Results for water quality test in IPD using H2S Strip Kits-Conducted Karonga District Disaster Recovery “Task Force”

Camp Site Name	Date	Type of Tested Sample(s)	Results	Interpretation
Iponga Health Centre	05/05/2017	Borehole	Positive	Contaminated
Iponga IPD	05/05/2017	Household	Positive	Contaminated
Imponga Community	05/05/2017	Borehole	Positive	Contaminated
Iponga Primary School	05/05/2017	Borehole	Positive	Contaminated
Chakwera IPD	05/05/2017	Borehole	Positive	Contaminated
Chakwera IPD	05/05/2017	Household- Female headed	Positive	Contaminated
Chakwera IPD	05/05/2017	Primary School	Negative	Fit for human consumption
Kasisi IPD	05/05/2017	Household	Negative	Fit for human consumption
Kasoba Anglican	05/05/2017	Borehole	Positive	Contaminated
Kasisi IPD	05/05/2017	Borehole	Positive	Contaminated
Kasoba Anglican	05/05/2017	Household	Negative	Fit for human consumption



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Camp Site Name	Number of Filters Distributed	Number of People/Camp		
		Male	Female	Total
Kasisi	11	180	340	520
Mzinga	7	50	150	200
Chakwera	7	31	79	110
Iponga-Primary School	6	20	80	105
Iponga-Mwakawoko	4	19	30	49
Kaporo-Chimalawathu	8	50	109	159
Total	43	350	788	1138

Water Quality Test Results for IPD benefited from the filter distribution donated by CCAP SMART Centre Malawi

A quick water quality test using H2S STRIP Test Kit was carried to monitor the water quality and 95% of the water samples from the filters had a negative contamination with the remaining contaminated samples likely attributed by poor handling of the filters during installation since people from the camps were also trained through a participatory approach for minor maintenance and cleaning purpose. Samples were taken on 12 May 2017.



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Table 2 show water quality test results after 48 hrs:

Camp Site	Water Source	Type of Samples Tested	Number of Samples per Site	Results	Interpretation
Kasisi	Borehole	Filtered Water	3	Negative	No change in colour, safe water for drinking
Mzinga	Borehole	Filtered Water	2	Negative	No change in colour, safe water for drinking
Chakwera	Borehole	Filtered Water	2	Negative	No change in colour, safe water for drinking
Iponga-Primary School	Borehole	Filtered Water	2	1 sample positive/ 1 sample Negative	Likely cause of the water sample that turned black was due handling of the filters during installation as the community had to be trained in the installation and basic cleaning techniques.
Iponga-Mwakawoko	Borehole	Filtered Water	2	1 sample positive/ 1 sample Negative	Likely cause of the water sample that turned black was due handling of the filters during installation as the community had to be trained in the installation and basic cleaning techniques.
Kaporo-Chimalawathu	Borehole	Filtered Water	2	Negative	No change in colour, safe water for drinking



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Water quality test results after 48 hours.



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PICTURES HIGHLIGHTING SOME OF THE ACTIVITIES



Karonga District Hospital Officer explaining hygiene practices



Aaron Msiska CCAP SMART Centre Demonstrating on Water Filter Assembling



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Waluza Muthari-SOLDEV Inspecting beneficiaries installing the Water filters



Final product(s) handed to the beneficiaries in the Camp and the Community enjoying filtered water



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Here we go!!!!!!!!!!!!!! Aaron Msiska representing CCAP SMART Centre handing over the filters to the Chief and Committee Members at Kasisi.

CONCLUSION

Basing on the result from the field the excise had a significant impact in terms of improving the water quality as 90% of the water samples tested from the filters indicated a negative contamination. The community leaving in the camps were trained on how to install/assemble, and clean the water filters as well as general hygiene. Monitoring on utilization of the water filters is an on-going excise under the SOLDEV Karonga Field Office through partnership with the District Disaster Recovery Task Force and the District Council.