

TANZANIA



SIMPLIFIED TRAINING AND AWARENESS MATERIAL FOR MINE WASTE MANAGEMENT IN SMALL AND MEDIUM SCALE MINES

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INTERNATIONAL TRAINING PROGRAMME 308

Mine Water & Mine Waste Management



Sweden
Sverige



THE CHANGE PROJECT

The medium, and in particular, small scale mining (SSM) sectors in Tanzania continue to grow and the need to increase the knowledge of mining laws and regulations among the miners in a simplified way is apparent. There is a need to guide and educate the miners about the hazards and challenges with mining for the benefit of the miners themselves, but also for the environment, animals and all other relevant stakeholders surrounding the industry.

However, the information and the guidelines must be easily understandable, and feasible, or the task of changing the behaviour of miners will not take root. Therefore, continued stakeholder involvement is of utmost importance for the outcome of the project and for the largest long-term impact on humans, animals and the environment.



Opportunities for waste management improvements.

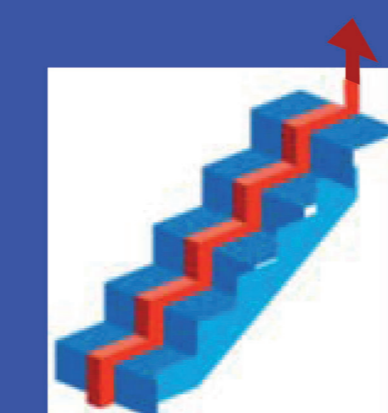
The organisations' goals with this change project were severalfold. The main aim was to continue and improve the work on the existing guideline. To merge previously created images with the original text document as well as to translate it from English to Swahili. The second goal was to add and improve upon the existing material and create an easily distributable information leaflet for the miners. Finally there was a need to pilot the information through trainings and stakeholder engagements.



SIGNIFICANCE FOR THE PEOPLE AND THE ENVIRONMENT

The project is a part of the completion of the "Guidelines for Mine Water and Tailings Management for Small and Medium Scale Mines in Tanzania" that previous Tanzanian groups within the Mine water and mine waste management programme has worked on. The project will increase awareness among SSM and other relevant stakeholders as well as provide the them with simplified know-how in how to deal with a variety of mine waste and chemicals during mining. The improved knowledge should lead to a better environment and more sustainable mining. In addition, the health and safety of humans as well as animals will improve.

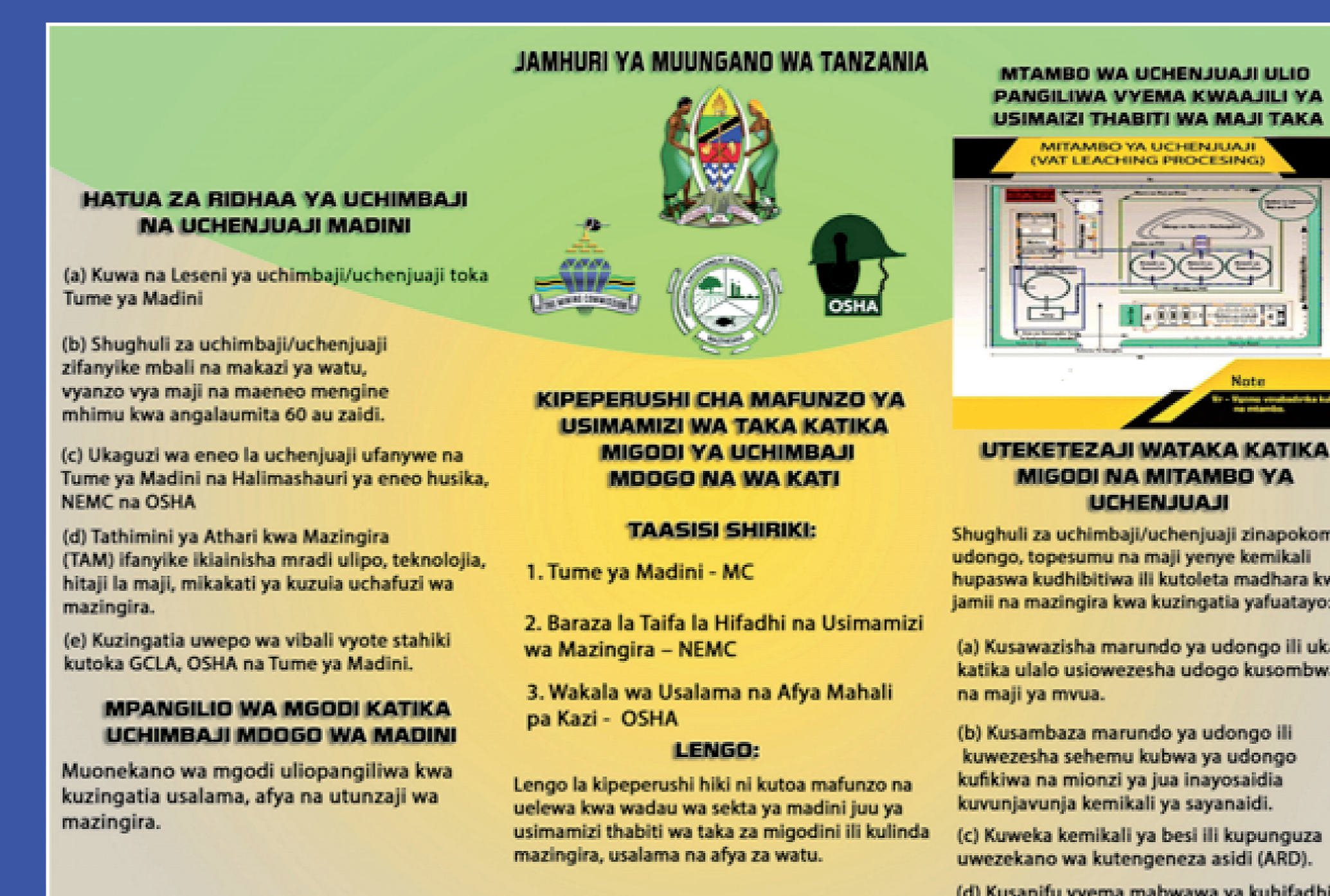
The project provides a working tool for environmental, health & safety as well as mining inspectors from government organisations during inspections and approval processes. In turn, the SSM will have a tool of directives on how to plan the mining projects in consideration of environment for more sustainable mineral exploitation.



RESULTS AND ACHIEVEMENTS

By using methods such as literature reviews, consultations of previous programme participants, site visits as well as pilot trainings, the project has achieved the goal of preparing a tool for creating awareness of topics relevant to a sustainable mining process for all levels of SSM.

The project merges previous projects with the new one and also produces a standalone information leaflet and training material for waste and chemical management.



Front of information brochure for waste and chemical management.



THE WAY FORWARD

The project will be further tested and assessed by the government authorities that have created it. Continuous work and possible improvements should be carried out at least every three years.

The team recommends future participants in the Mine water and mine waste management programme to continue the work of this change project. Communication of the message is vital for the impact to be as large as possible. This should be done by creating dissemination plans of brochures, make training opportunities available for relevant users and stakeholders and possibly make use of media of different kinds to spread the information. Internet based platforms such as social media and websites could be used for stakeholder awareness and communication going forward.



Example of safety illustrations for Personal Protective Equipment (PPE) at the chemical storage area of a mine site.