

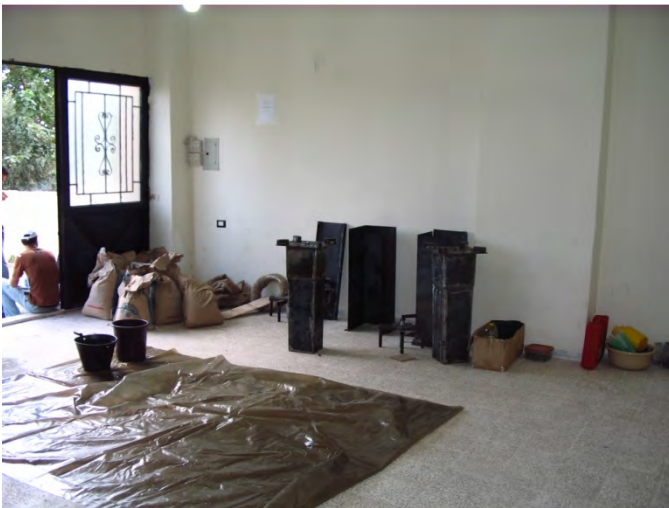
2008 BioSand Filter Project



Transporting the steel moulds to the workshop.



Transporting supplies to the workshop.



Inside the workshop – tarp on the floor and steel moulds in the background.



Preparing the mould for the cement pour.



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Mixing materials for cement.



Mixing materials for cement.



Trowelling cement in the mould.



Trowelling cement in the mould.



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Trowelling cement in the mould.



Opening the mould after the concrete has cured.



Opening the mould after the concrete has cured.



Opening the mould after the concrete has cured.



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Stripping the mould from the cured concrete filter.



Stripping the plastic sleeve from the cured concrete filter.



Finished concrete filter revealed!



Measuring the mesh for the sorting frame.



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Cutting the mesh for the sorting frame.



Sifting filtering materials (fine sand to large gravel)



Sifting filtering materials (fine sand to large gravel)



Sifting filtering materials (fine sand to large gravel)



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Sifting filtering materials (fine sand to large gravel)



Sifting filtering materials (fine sand to large gravel)



Pile of gravel ready for the filter.



Pouring the sifted and sorted filter materials by layers into the concrete filter.



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Bottle on the left contains water from the local source before filtering. Bottle on the right contains water from same source after one pass through the new water filter. Most sediment has been filtered out and the water is crystal clear.



Nathan Deisman, Engineer and Humanserve volunteer (far left); filter building workshop trainees from the local community.



Humanserve volunteers Nizar Ali (left) and Nathan Deisman (right) giving theory on the BioSand filtering process and instructions on building and maintaining the filters. The workshop was conducted in Arabic and English.



Tools purchased as part of the project for mould and filter construction.