

INTERNATIONAL MEDICAL OUTREACH CONVERSION OF PIT LATRINES TO COMPOST TOILETS – PHASE 1 PAPOGA, UGANDA – APRIL 2016

Over the course of two weeks, an American, Brazilian, and Ugandan team converted 24 pit latrines to compost toilets at four primary schools, one nursery school, one agricultural institution, and five homes. The following report offers a detailed description of the work undertaken at each site.



Schools	TOILETS	10-LITER BUCKETS	20-LITER BUCKETS	50-LITER BUCKETS	PITCH FORKS	RUBBER GLOVES	TIPPY TAP	TOILET BRUSHES	SAWDUST (200 L)	SOAP (20 L)
Bethel Junior School	4	-	12	-	1	1	1	2	2	1
District Farm Institute	5	5	-	10	1	1	1	2	1	1
Kaberu Nursery School	2	-	6	-	1	1	1	2	1	1
Papoga Primary School	1	-	3	-	1	1	1	2	1	1
Zale Primary School	2	-	6	-	1	1	1	2	1	1
Zeus Primary School	5	-	5	10	1	1	2	2	1	1
School Total	19	5	32	20	6	6	7	12	7	6

1. Bethel Junior School

Four wooden toilets installed in existing latrine block.

- Three of the four existing stalls contained pit openings. These three were sealed and leveled with cement.
- Each stall door was reversed to open outwards.
- The four stalls were then each fitted with a wooden toilet (20-liter).
- The trench in front of the stalls was filled and leveled with gravel and cement.
- A tippy tap (3-liter) was installed adjacent to the toilet block.



Four-bin compost site constructed of wooden shipping pallets.

- Consists of a four-bin system with each bin measuring approximately 1 meter by 1.5 meters.
- Compost bins are located adjacent to girls' dormitory.
- The bins were lined with gravel perimeter.
- Bin #1 is covered by one papyrus mat for shade and water protection.



2. District Farm Institute

Five cement toilets installed in previous boy's pit latrine.

- Four of the five existing stalls contained pit openings. These four were sealed and leveled with cement.
- Four of the five existing stalls contained a large wooden door that opened inward. These four doors were cut in half, reattached with hinges, and reinstalled as a folding door.
- A rod and curtain was installed on the fifth stall (no door previously).
- A brick and cement toilet (50-liter) was installed into each of the five stalls.
- A tippy tap (3-liter) was installed adjacent to the path leading to the toilet block.



Four-bin compost site constructed of wooden shipping pallets.

- Consists of a four-bin system with each bin measuring approximately 1 meter by 2 meters.
- Compost bins are located just behind the toilet block.
- The bins were lined with gravel perimeter.
- Bin #1 is covered by one papyrus mat for shade and protection from heavy rain.



3. Kaberu Nursery School

Two wooden toilets installed in existing two-stall pit latrine building.

- Both pit openings were sealed and leveled with cement.
- Both doors were reversed to open outwards.
- Both stalls were fitted with a wooden toilet (20-liter).
- A tippy tap (3-liter) was installed in front of the toilet block.



Four-bin compost site constructed of wooden shipping pallets.

- An exposed pit was covered and sealed with a large stump, rocks, bricks, wood, soil, etc.
- Consists of a four-bin system with each bin measuring approximately 1 meter by 1.5 meters.
- Compost bins are located near the toilet block adjacent to a perimeter fence.
- Bin #1 is covered by one papyrus mat for shade and protection from heavy rain.



4. Papoga Primary School

One wooden toilet installed in existing one-stall teachers' pit latrine building.

- The pit opening was sealed and leveled with wood, soil, clay, and sand. A wooden floor was installed atop the leveled ground.
- The walls were lined with mud and painted white with a lime-wash.
- The roof was replaced with new metal sheets and a new timber frame.
- The building was then fitted with a wooden toilet (20-liter).
- A tippy tap (3-liter) was installed adjacent to the toilet building.



Four-bin compost site constructed of wooden shipping pallets.

- Consists of a four-bin system with each bin measuring approximately 1 meter by 1.5 meters.
- Compost bins are located uphill from the toilet under the shade and protection of a mango tree.



5. Zale Primary School

Two wooden toilets installed in existing two-stall bathing building.

- A small window opening in each stall was widened to enhance airflow and access to natural light.
- Each stall was fitted with a wooden toilet (20-liter).
- A tippy tap (3-liter) was installed in front of the toilet block.



Four-bin compost site constructed of wooden shipping pallets.

- Consists of a four-bin system with each bin measuring approximately 1 meter by 1.5 meters.
- Compost bins are located just behind the toilet block.
- Bin #1 is covered by one papyrus mat for shade and protection from heavy rain.



6. Zeu Primary School

Two cement toilets installed in existing two-stall staff latrine building.

- Both of the pit openings were sealed and leveled with cement.
- Both of the doors were reversed to open outwards.
- A brick and cement toilet (50-liter) was installed into both stalls.
- A tippy tap (3-liter) was installed adjacent to the toilet block.



Three cement toilets installed in existing three-stall pit latrine building designated for girls.

- Each of the three pit openings were sealed and leveled with cement.
- The three door openings were not fitted with doors, as Zeu personnel stated doors were elsewhere.
- A brick and cement toilet (50-liter) was installed into each of the three stalls.
- The path in front of the toilet block was lined with gravel.
- A tippy tap (3-liter) was installed adjacent to the toilet block.



Four-bin compost site constructed of wooden shipping pallets to be shared by both toilet facilities.

- Consists of a four-bin system with each bin measuring approximately 1 meter by 1.5 meters.
- Compost bins are located in between the two toilet blocks, behind a classroom block.
- The bins are located under the shade and protection of several large trees and smaller coffee trees.

