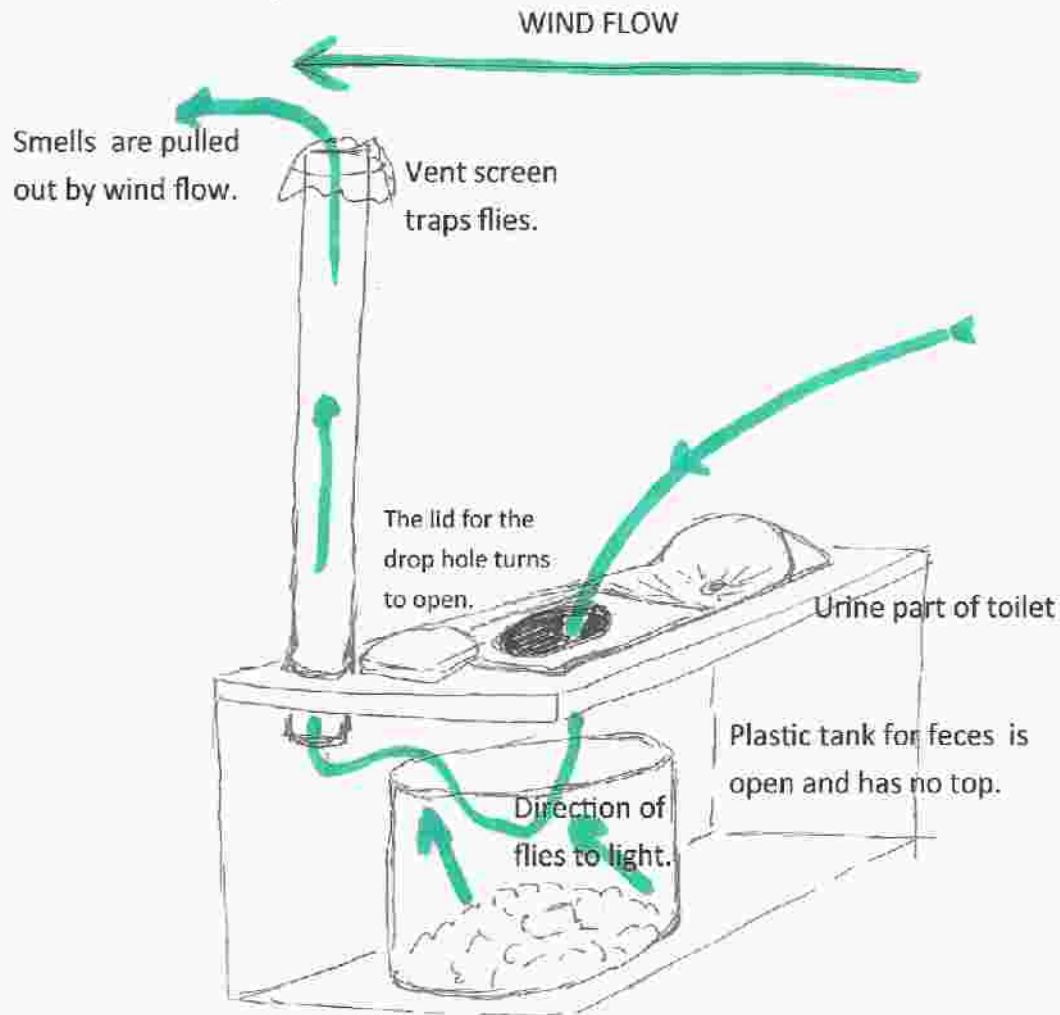


LATRINE LAW - 1 HOLE : 1 PIT : 1 VENT

HOLE = hole in toilet for defecation. It has a lid that turns open when used.

PIT = the closed space below the toilet floor with 4 concrete or metal walls. The plastic tank for feces (that does not have a lid) is NOT the pit - it is just inside the pit. When full, this plastic tank is removed to compost for 1 year and become germ free. A replacement plastic tank is put in the pit.

VENT = the pipe from the pit (through the concrete toilet floor) to above the roof. It has a screen to stop flies.



FLIES AND SMELL

FLIES - When a person is done defecating, the toilet hole is closed by swinging the lid. The pit is dark. A fly in the pit goes toward the light. Since the cover is closed the only light comes from the vent pipe. The fly goes up the vent pipe to the light and stays and dies because it is trapped by the screen on the vent. There can only be 1 hole into 1 pit so a fly cannot get out another hole to spread germs - the fly only sees the light from the vent pipe.

SMELL - When the toilet hole lid is opened by a person, air flows in the hole and is drawn to the vent pipe. This air draft takes the smells up the vent pipe instead of out to the person.