

Separations Toilet

Nothing wasted. Everything returned.

No water. No sewage connection. No odour.

Solid waste becomes compost. Urine becomes plant feed.

The forest floor has been doing this for 400 million years.

THE EXPERIENCE

*A warm pine room. A view into the forest. Complete quiet.
No chemical smell. No sound of flushing. No cold porcelain.
Better in every way than a conventional water toilet.*

THE CONVENTIONAL ALTERNATIVE

6–9 litres of drinking-quality water per flush.
Connected to infrastructure that costs thousands
to install, maintain, and run indefinitely.

Urine diverted



THE THRONE
Separations Unit

Pine surround, solid birch lid. Urine diverter channels liquid separately. Solid waste falls 1m+ to bucket below. View to the forest. Bidet spray included.

Solids fall 1m+



THE COLLECTION
Waste Chamber

Insulated timber housing accessed from outside the zome. Bucket lifted, emptied into compost digester, replaced. No contact with living space. Under two minutes.

Sawdust added

Bucket emptied

Compost returns



THE VENTILATION
Waste Home Box

One-way extractor activates with toilet room light. Air drawn downward through zome interior, exhausted at base. Odour always moves away, never toward you.

SAWDUST PROTOCOL — CARBON TO NITROGEN BALANCE

A scoop of sawdust after every solid discharge absorbs moisture, suppresses odour, and maintains the carbon-to-nitrogen ratio that accelerates composting. The same material that built the zome returns the waste to the forest.

NO SEWAGE CONNECTION · NO PERMIT · NO ONGOING COST

The system produces compost and plant feed. Nothing goes to waste. Nothing requires infrastructure.

System Specifications

Toilet type	Separation toilet — urine diverter integrated
Surround material	Hand-crafted pine, solid birch seat and lid
View	Window to the forest from the seat
Urine handling	Diverted separately — routed away from solids
Solid waste drop	1 metre+ vertical fall to collection bucket
Collection vessel	Standard bucket — easily removed and replaced
Bucket access	External door from outside the zome
Emptying process	Bucket lifted, poured to compost digestor, replaced
Emptying time	Under 2 minutes
Ventilation	One-way mechanical extractor fan
Ventilation trigger	Activated by toilet room light switch
Airflow direction	Drawn downward through zome, exhausted at base
Odour	None — separation + ventilation + sawdust eliminates odour
Sawdust function	Moisture absorption, odour suppression, compost accelerator
Cleaning	Bidet spray — no toilet paper required
Water consumption	Zero — no flush water used
Sewage connection	None required
Output	Compost digestor · Urine diluted as plant feed
Regulatory category	Dry sanitation — no wastewater discharge

ON SANITATION AND THE CLOSED LOOP

The conventional toilet is one of the most wasteful objects in the modern home.

It uses 6–9 litres of drinking-quality water — filtered, treated, pressurised at enormous collective cost — to dispose of something that could become compost.

The sewage infrastructure requires kilometres of underground pipe, pumping stations, treatment plants, and chemical processing. It produces neither compost nor clean water.

Most people have never questioned this arrangement. It has simply always been there.

The separations toilet is, in practice, a more pleasant experience than a conventional one.

A warm pine room. A window to the forest. Complete quiet. No chemical smell, no cold porcelain, no sound of flushing. The ventilation means there is no odour — air moves downward and out, never toward you.

Urine diluted 10:1 becomes plant feed. Solid waste composted with sawdust returns to the soil as humus — what the forest floor has been producing without infrastructure for 400 million years.

Nothing leaves the land. Nothing requires treatment. Nothing is wasted.

The forest floor has been doing this for 400 million years. It has never needed a sewage connection.