

ALTERNATIVE WASTEWATER TECHNOLOGY



WAI WASTEWATER ALTERNATIVES & INNOVATIONS

RESIDENTIAL ALTERNATIVES



**CINDERELLA ECO GROUP
INCINERATION TOILET**

This waterless alternative burns all toilet waste at a high temperature to produce odorless, pathogen-free ash. The toilet is easy to install and comes with an easy-to-use LCD display that provides notifications and alerts when the ash container is full and should be emptied (about once a week). There are electric and gas models currently available.

BIOREACTOR GARDEN

This low-cost and highly effective green infrastructure is a leach field alternative that is capable of very high removal rates and zero discharge through evapotranspiration. Utilizing a lined garden plot with vetiver grass and biochar, waste streams are treated by filtration, biological treatment and plant uptake.



RIDGE TO REEFS

COMMUNITY ALTERNATIVES



ECO-SAN

MULTI-USE REINVENTED TOILET

These self-contained systems are scalable for a range of public applications (up to 8 stalls). The processing technology utilizes anaerobic digestion of solids and an electrolysis system to convert waste into water and solid fertilizer.

BIOGENIC REFINERY

This community-scale alternative is a thermal treatment solution that can treat a range of waste streams from human and animal sewage to agricultural and green byproducts. Through the process of pyrolysis, this technology transforms waste into nutrient-rich biochar and recycled water. The biochar is a great soil amendment and works as a fertilizer and carbon sink. This technology is ideal for processing compostable waste and invasive species and transforming them into beneficial biochar & soil amendments.



BIOMASS CONTROLS

Questions: Email info@waicleanwater.org