

# Hedonistic Sustainability: Excrement Explosives

Turn participants' human waste into explosives! Fun for the whole community!

## The Concept

- Produce locally-made nitrogen-based pyrotechnics for Burning Man from the human waste produced by the event's participants.
- Address a known waste issue from composting toilets (excess urine that needs to be pumped out regularly), reduce the carbon footprint of Fly Ranch / Burning Man, and provide on-site resource for fireworks/explosives, fertilizers/soil amendments, and methane gas for cooking/burning.

## How?

- Urine collected from composting toilets and/or urine separating toilets will be processed into methane gas for cooking/burning and potassium nitrate, the primary component (75%) of black powder, the lifting agent in fireworks and explosives.
- In composting toilets, such as EcoZoic, urine regularly needs to be pumped out and disposed of - this project would present a productive alternative to dumping that nutrient-rich resource.
- This process will take place in a biodigester, which could create potassium nitrate for use in fireworks/explosives and methane gas for cooking/burning, in addition to nutrient fertilizer.
- Excess potassium nitrate could also be used on-site as a crop fertilizer or soil amendment.

## Also... Fun Facts!

- Urine putrefaction and conversion into explosives has a long and rich history, especially during times of conservation and limited resources.
- The production vessel will be artistically designed and have exposed and/or transparent sections to allow Fly Ranch visitors to see the action up close!