

# Individual Wastewater Incinerator

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Installer registration permit:	Property owner or standard and basic (incinerating toilets) Complex (whole-home incinerators)
Licensed professional engineer required:	No (incinerating toilets) Yes (whole-home incinerators)
<b>Special conditions:</b>	<b>Tank-Only Permit</b>

## Description

Housed within a dwelling or other structure, wastewater incinerators store and incinerate wastewater and/or blackwaste and discharge sterile ash. Incineration is facilitated by petroleum fuels or electricity. Wastewater incinerators should only be considered as an alternative to sewer or a subsurface disposal system after all other reasonable options have been explored.

**Whole-home (water-carried) incinerators** are systems capable of accepting all wastewater from a dwelling into a septic tank which flows to an incinerator unit capable of combusting the daily design flow, and do not require connection to sewer or a subsurface disposal system.

**Incinerating toilets** are self-contained waterless units consisting of a traditional commode-type seat connected to a holding tank and heating system designed to incinerate nonwater-carried human urine and feces, and do not require a connection to sewer or a subsurface disposal system. However, any showers, sinks, or other sources of wastewater on the property must still be connected to sewer or an approved subsurface disposal system.

## Approval Conditions

1. All wastewater incinerator models must be approved by DEQ before installation (TGM Section 5.5).
2. Incinerators must be listed and labeled in accordance International Mechanical Code section 907, per IDAPA 24.39.70.002.
3. Proper electrical, plumbing, and gas line permits must be obtained through the Idaho Division of Building Safety or any other applicable regulatory agency for the area the incinerator is installed within.

## ***Additional Approval Conditions for Whole-Home Incinerators***

1. System must be designed by a professional engineer licensed in Idaho.
2. Daily design flow for the property must be per IDAPA 58.01.03.007.08.
3. Low flow water fixtures should be installed throughout the dwelling.
4. Water under pressure must not serve the dwelling unless:
  - a. A public sewer connection is provided to the dwelling, or
  - b. A full-size subsurface sewage disposal system is installed, or

- c. The system is designed in a manner that ensures the incinerator unit cannot receive more than its approved daily flow and the septic tank cannot receive wastewater if it is filled past 90% capacity. It is the responsibility of the design engineer to demonstrate that these requirements will be met.
5. Even if the septic tank may sometimes be referred to by manufacturers as a “wastewater tank” or “wastewater holding tank,” it is considered a septic tank and must conform to all the requirements of septic tanks per IDAPA 58.01.03.007 and must be approved by DEQ (TGM Section 5.2).
6. The installation permit will include a statement: “Incinerator must be maintained and operable at all times the dwelling is occupied until such time that the dwelling is connected to an approved wastewater disposal system. The septic tank is only approved for temporary storage of wastewater prior to discharge to the incinerator and must not be used as a permanent pump-and-haul holding tank.”
7. The installation permit will be a tank-only permit.