Yamanashi Kanzume Co., Ltd.

Okitsugawa River (as seen from a path near the company building)

The products manufactured by Yamanashi Kanzume Co., Ltd.

Fruits Jelly Cups

Canned Foods

Retort Pouches
Possible methods of treating waste from Yamanashi Kanzume

1. defective retort pouches and canned products
2. grease trap / oil
3. remnants (fruits and vegetable scraps/waste from net screen)
4. dewatered sludge

### System flow Chart

The experiments to be conducted from fiscal year 2017 to 2019

New installation and remodeling of pretreatment plants

At Yamanashi Kanzume Factory

- Electric power: 14 hours per 24 hours
- 360 kWh per day

Food remnants
defective products

Primary treatment after crushing with water
2,500 kg per day

Second fermentation

- Hot water (heat): 146 MJ per hour
- 2.1 GJ per day

25 kW-class gas engine

Biogas 18 m³ per day

UASB 20 m³ methane fermentation tank

Temperature adjustment tank

Regulating tank

Methane fermentation tank

Desulfurization and deodorization

Dried sludge fertilizer production

Lower-concentrated polluted water

Waste water dewatered sludge