

Technical Information Sheet

1. Name of technology	Chicken droppings fluidized bed boiler
2. Type of technology	Chicken droppings are incinerated by a fluidized bed boiler to generate power and compost.
3. Description of technology	<p>[Objective and application of the technology] Chicken droppings are burned as fuel by a fluidized bed boiler to generate power and compost for recycling.</p> <p>[Characteristics of the technology] Chicken droppings are burned by a fluidized bed boiler at a rate of 13 tons per hour to generate 41 tons of saturated steam per hour (1.67 MPa) and generate 1,500 kW of power. The residual steam is sent to the turbine for the FDF drive to induce electricity of 130 kW. Exhaust air from the turbine is used as a heat source for the plant. The incineration ash, which contains much phosphorus and potassium, is granulated and converted to fertilizer.</p> <div data-bbox="421 725 1497 1375" style="border: 1px solid black; padding: 5px;"> <p>Flow sheet (example)</p> </div> <p>[Delivery record] Company N (Miyazaki) 13 t/h</p> <p>[Price and other inquiries] Engineering Planning Department (Tokyo), Planning and Development Center, TAKUMA Co., Ltd. Person in charge: Susumu Uno TEL: 03-5822-7894 (Direct) FAX: 03-5822-7895</p>
4. Classification of technology	
(1) Applicable fields	Industrial waste treatment, Recycling (thermal)
(2) Target waste	Other (chicken droppings)
(3) Services provided	Plant construction, Sales of machinery and equipment, Waste treatment service, Technical cooperation/licensing, Environmental impact assessment, Survey/data processing, Other
5. Countries to which this technology can be provided	No limitations have been placed on country or region.

Objective, application, characteristics, delivery record, and price of technology

6. Keywords	Chicken droppings, fluidized bed boiler, incineration, power generation
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