Technical Information Sheet

1. Name of technology	Waste biomass power generation facility
2. Type of technology	This technology is used to directly burn sewage sludge and wood biomass with a fluidized bed boiler to generate electricity.
3. Description of technology	
Objective, application, characteristics, delivery record, and price of technology	[Characteristics of the technology] Low-calorie sludge and high-calorie wood chips are burned well by a circulating fluidized bed boiler with high thermal efficiency to allow them to burn by themselves and to generate electricity efficiently. When 40 tons of sludge with a lower calorific value of 1 MJ/kg and 40 tons of wood biomass with a lower calorific value of 12.5 MJ/kg are burned together in one day, 980 kW of electricity can be generated.
	Sewage treatment of plant Effluent treatment of sludge and wood resources Sludge Wood chips Wood chips Biomass resources Steam turbine Steam turbine Conversion to wood chip Effective utilization of biomass resources System concept
	[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
4. Classification of technology	
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment, Recycling (thermal)
(2) Target waste	Other (sewage sludge and wood biomass)
(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.
6. Keywords	Sewage sludge, wood biomass, power generation
7. Contact information	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