

Overview of Sewage-Sludge-to-Fuel Conversion Project

1. Location of sewage-sludge-to-fuel conversion facility

Aichi Prefecture Kinuura East Purification Center (Konan-Machi, Hekinan City, Aichi Prefecture)

2. Scale of project

◇ Sludge treatment capacity: 100 t/day × 1 system

◇ 660,000 t/20 years (33,000 t/year)

◇ Volume of production of carbonized sewage sludge fuel: 54,000 t/20 years (2,700 t/year)

3. Project period

◇ Design and construction of facility: December 2009 – March 2012

◇ Operation, maintenance and management: April 2012 – March 2032 (20 years)

4. Other

◇ Projected power generation using carbonized sewage sludge fuel: Approximately 4.6 GW/year
(Equivalent to annual power consumption of 1,270 ordinary households)

◇ Projected reduction of greenhouse gas emissions: Approximately 8,000 t/year (CO₂ equivalent)
(Approximately 4,000 t/year for the Purification Center, and approximately 4,000 t/year for the Hekinan Thermal Power Station)

5. Overview of project

