



Ferti-NRJ, Passel, France

Biogas Plant Description

The centralised biogas plant in Passel-Noyon has been operating since 2009. The plant processes 80% industrial waste such as sludge, greases, screening waste and production scraps, and 20% sewage sludge. It is authorised to process up to 38 000 t/a of waste. The waste is homogenised in a mixing tank before injection in the digester. Fermentation takes place in two digesters (3000 m³ each). The digestate is dried and valorised as compost (NFU 44-095). The gas feeds two generators (1.4 MW). The electrical energy produced (10 950 MWh / a) provides for the needs of 9000 inhabitants of a nearby town. The thermal energy produced (12 300 MWh / a) is entirely valorised on site to maintain digester temperature, buildings and offices and the drying of the digestate.



Information on financing

Year of realisation:	2009
total investment costs:	€ 8 million
feed-in tariff electricity:	not available
tariff for heat sale:	not available

Technology at a glance

Biogas production:
 4 500 000 m³/a (118 m³ / ton of waste treated)
 Installed power: 1.4 MW
 Digester volume (m³): 2 x 3000 m³
 Type of waste used:
 industrial waste (sludge, greases, screening waste, production scraps), sewage sludge
 Amount of waste/raw material used as substrate:
 up to 38 000 t / a (80% food waste)
 Operating hours: not available

More information

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Plant operator

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